

## Alinco Dr 135 Manual

THE DEFINITIVE ANTENNA REFERENCE--FULLY REVISED AND EXPANDED!

Design and build your own antennas with the help of this unique guide. Updated and revised to provide clear answers to questions frequently asked by hobbyists and electronics technicians, Practical Antenna Handbook, Fifth Edition blends theoretical concepts with hands-on experience--requiring only high school mathematics. Reorganized to flow logically from broad physical principles to specific antenna design and construction techniques, the book begins by covering the fundamentals. Then the half-wave dipole is discussed both as an excellent antenna in its own right and as a conceptual tool for predicting the performance of other designs. Transmission line impedance matching techniques--and a companion Smith chart tutorial--lead into "must have" accessories for tuning, monitoring, and troubleshooting antenna system performance. Other tools, such as antenna modeling software and network analyzer add-ons for PCs and Macs, are addressed, and concluding chapters offer fresh insights into support structures and installation techniques. NEW TOPICS COVERED

INCLUDE: Characteristics of all-driven and parasitic arrays Beverages and small MF/HF receiving loops Top-loaded shunt-fed towers and other verticals Theory and design of Yagi beams Effect of real ground on propagation and antenna patterns, impedance, and efficiency Lightning protection and four kinds of ground systems Zoning and restrictive covenants COVERS A WIDE VARIETY OF ANTENNAS: Dipoles and inverted-Vs Quads, delta, and NVIS loops Wire arrays (bobtail curtain, half-square, rhombic) Verticals and shunt-fed towers Rotatable Yagi beams MF/HF receiving antennas (flag, pennant, K9AY, Beverage) Mobile and portable antennas VHF/UHF/microwave antennas And many more GO TO

[WWW.MHPROFESSIONAL.COM/CARR5](http://WWW.MHPROFESSIONAL.COM/CARR5) FOR: \* Tables of worldwide geographic coordinates and antenna dimensions vs. frequency \* Supplier updates \* Author's blog \* Additional photographs and schematics \* Links to tutorials and specialized calculators Incorporate the "tube sound" into your home audio system Learn how to work with vacuum tubes and construct high-quality audio amplifiers on your workbench with help from this hands-on, do-it-yourself resource. The TAB Guide to Vacuum Tube Audio: Understanding and Building Tube Amps explains tube theory and construction practices for the hobbyist. Seven ready-to-build projects feature step-by-step instructions, detailed schematics, and layout tips. You'll also find out how to tweak the projects, each based on a classic RCA design, for your own custom-built amps. Coverage includes: Principles and operational theory behind vacuum tubes Tube nomenclature, applications, and specifications Circuit layout, connections, and physical construction Finding and selecting the right components for the project Power supplies for vacuum tube circuits Preamplifier and power amplifier circuits Performance measurement Safety, maintenance, and troubleshooting techniques Tips on building your own tube-based system—and having fun in the process This book is intended for hobbyists interested in adding the tube sound to any audio system. (Readers looking for high-performance audiophile books are urged to consider the McGraw-Hill books by Morgan Jones.) Learn more at [www.vacuumtubeaudio.info](http://www.vacuumtubeaudio.info) Make Great Stuff! TAB, an imprint of McGraw-Hill Professional, is a leading publisher of DIY technology books for makers, hackers, and electronics hobbyists.

Today, switched reluctance machines (SRMs) play an increasingly important role in various sectors due to advantages such as robustness, simplicity of construction, low cost, insensitivity to high temperatures, and high fault tolerance. They are frequently used in fields such as aeronautics, electric and hybrid vehicles, and wind power generation. This book is a comprehensive resource on the design, modeling, and control of SRMs with methods that demonstrate their good performance as motors and generators.

[The book] introduces you to this digital communications mode. Written for the beginner, [the book] uses easy-to-understand language and an entertaining style.... A valuable reference section is included to help you locate equipment, books, magazines and even software. The Packet-speak glossary provides definitions for common packet terminology. -Back cover  
So many wire antenna designs have proven to be first class performers! Here are two volumes devoted to wire antennas, from the simple to the complex. Includes articles on dipoles, loops, rhombics, wire beams and receive antennas--and some time-proven classics! An ideal book for Field Day planners or the next wire antenna project at your home station.

Celebrated journalist R. W. ("Johnny") Apple was a veteran political reporter, a New York Times bureau chief and an incisive and prolific writer. But the role he was most passionate about was food anthropologist. Known both for his restless wideopen mind and an appetite to match, Apple was also a culinary scholar: witty, wide-ranging and intensely knowledgeable about his subjects. Far Flung and Well Fed is the best of legendary Times reporter Apple's food writing from America, England, Europe, Asia and Australia. Each of the more than fifty essays recount extraordinary meals and little-known facts, of some of the world's most excellent foods—from the origin of an ingredient in a dish, to its history, to the vivid personalities—including Apple's wife, Betsey—who cook, serve and eat those dishes. Far Flung and Well Fed is a classic collection of food writing—lively, warm and rich with a sense of place and taste—and deserves to join the works of A.J. Liebling, Elizabeth David, M.F.K. Fisher and Calvin Trillin on the bookshelf.

## Amateur Radio

**\*\*AS SEEN ON CHANNEL 4\*\*** 130 brand-new recipes to cook up at home, any day of the week... Following their bestselling Fast 800 Recipe Book, Dr Clare Bailey and Justine Pattison return with a fabulous new cookbook, featuring super-simple recipes to enable you to eat well with minimum prep time on your fasting days. All of the dishes in this book are based on the Mediterranean style of eating now proven to revolutionise your health, and many can be thrown together from freezer or store-cupboard staples. There are numerous vegetarian options, plus simple ways to expand meals for non-fast days or when you are eating with friends or family. With everything from salads and wraps to winter stews and curries, The Fast 800 Easy will help you rustle up delicious, nutritious meals in minutes - food that tastes so good you won't feel the low calorie count. 'One word - brilliant! I lost 28lb in 9-10 weeks and 7 inches off my waist. Also dropped 2 clothes sizes. Love this programme!' - Anne **INCLUDES 8 WEEKS OF CALORIE-COUNTED MEAL PLANS**

Collected here are twenty of Nikola Tesla's essays, letters, and speeches all with figures. In total there are some 214 figures. Now you can read these famous articles as they were intended to be read. Included are A New System of Alternating Current Motors and Transformers; Experiments with Alternate

Currents of Very High Frequency and Their Application to Methods of Artificial Illumination; Experiments with Alternate Currents of High Potential and High Frequency; On Light and Other High Frequency Phenomena; The Problem of Increasing Human Energy, With Special References to the Harnessing of the Sun's Energy; The Disturbing Influence of Solar Radiation on the Wireless Transmission of Energy; Famous Scientific Illusions; Electrical Oscillators; and many many more!

NEW for NCVEC question pool July 1, 2014 through June 30, 2018! The HamRadioSchool.com Technician License Course book and free multimedia web site provides everything you need to become an FCC licensed amateur radio operator! This learning system not only offers the best exam preparation available today, it will help you to really understand ham radio so that you have the competence and the confidence to get on the air quickly! Fully illustrated and logically organized in easy-to-digest sections with a building-block learning approach, all 426 Technician exam pool questions for 2014-2018 are highlighted within a framework of explanation that uses common language, everyday analogies, and simple examples. The balance of depth with simplicity makes real learning about ham radio rewarding and enjoyable! Our free online media includes interactive section quizzes, multimedia learning supplements, interesting web links and more, to reinforce book and exam topics section-by-section and to provide practical "how to" advice on getting started in ham radio. With the book and our fully coordinated, optional iOS quizzing and practice exam mobile device app, you can study and practice questions anywhere, anytime! No matter your education or background, with HamRadioSchool.com you will ace your exam, and you will really get it!

"Explains what makes an effective HF antenna, how to build one and how to measure its performance. The book deals with real locations, such as small gardens, apartment blocks, lofts, etc. and how to obtain optimum performance within the constraints of your location"--Publisher's description.

The Big 3-0 is looming, but there's so much still to do... The brilliant new novel from the Sunday Times Top 10 bestselling author There are six months left of Emma Reiss's twenties. . . and she has some unfinished business. Emma and her friends are about to turn thirty, and for Emma it's a defining moment. Defined, that is, by her having achieved none of the things she'd imagined she would. Her career is all wrong, her love life is a desert and that penthouse apartment she pictured herself in simply never materialised. Moreover, she's never jumped out of a plane, hasn't met the man she's going to marry, has never slept under the stars, or snogged anyone famous - just some of the aspirations on a list she and her friends compiled fifteen years ago. As an endless round of birthday parties sees Emma hurtle towards her own thirtieth, she sets about addressing these issues. But, as she discovers with hilarious consequences, some of them are trickier to tick off than she'd thought... Praise for All The Single Ladies: 'Close the doors, open a bottle of wine, get out the chocs and enjoy this wonderfully witty read. Jane Costello at her best' Milly Johnson 'Jane Costello earned her place on the bestsellers list with her witty, colourful and fast-paced style. All The Single Ladies proves that she certainly hasn't lost her touch' Heat

For the radio amateur. The Old Patriarch K3MT recollects a number of HF antenna topics. Many are about simple antennas made of ordinary wire. A few concern the

