

What's NEW

Tell them you saw it in Monitoring Times

Larry Van Horn, New Products Editor

Grundig S450DLX Field Radio

Grundig has released a new portable: the Grundig AM/FM/Shortwave S450 Deluxe Field Radio. This latest Grundig receives all shortwave frequencies and covers all 13 international shortwave broadcast bands, plus domestic AM and FM stations.

Features include a digital display, backlit pushbutton keys, sleep timer, 3 tuning steps (fast/slow/lock), quick tune button, tone controls, five inch full range speaker, 50 memory settings, clock, dual alarms, battery level icon, telescopic antenna, multiple jacks, and a strap-type carrying handle.



Technical Details/Features List

- AM/MW (520-1710 kHz / 522-1620 kHz), FM (88-108 MHz) and SW (continuous frequency coverage from 1711-29999 kHz)
- Frequency tuning steps: Three methods to choose from (fast/slow/stop)
- High performance IC and MOSFET: provides high sensitivity, strong anti-interference, low background noise and lower distortion
- MW/SW IF wide/narrow bandwidth selection: allows adjustment of RF gain according to signal strength to achieve better receiver performance
- MCU Control (microcontroller unit) and large LCD backlight display with frequency, clock, battery level indicator, and signal strength indicator
- AM band features dual conversion PLL technology: provides anti-image rejection
- AM/FM/SW external antenna input socket and the ability to connect to cable FM
- Individual external/ground socket for external antenna
- Stereo line level audio input/output
- Size/Weight: 12 inches wide x 7 inches height x 3 inches diameter, 3 lbs. 4 oz.
- Power source: Six D-size batteries (not included) or 9-VDC adapter

This new Grundig portable is available from Grove Enterprises for \$99.95 plus shipping and handling. You can get more information online at www.grove-ent.com.

2011 Monitoring Times Anthology

Monitoring Times magazine is pleased to announce the release of our annual anthology on CD-ROM. The anthology includes all of

the *Monitoring Times* articles and columns published during 2011 on one searchable CD-ROM. Frequency lists, shortwave program guides, equipment reviews, construction tips, antenna projects, scanner and shortwave topics, and even ads are included in high resolution and full color!

The *MT* anthology sells for \$19.95 plus \$3 USPS First Class mailing, or \$14.95 plus free shipping for *MT* subscribers. You get can more information on this product or you can order online at www.grove-ent.com or call 1-800-438-8155 to order this or any product in the Grove Enterprises catalog. You can get an electronic version of the 2011-2012 *World of Radio* Grove catalog online at www.monitoringtimes.com/grovecatalog.pdf

The ARRL Handbook 2012 Edition

It is a book that most radio amateurs look forward to every year, and its many uses in the radio shack is legendary. For more than eight decades, *The ARRL Handbook for Radio Communications* has kept technologists – amateurs, professionals and students – immersed in the radio art for generations. As innovations in wireless communication march (or race) ahead, the *ARRL Handbook* has maintained its place at the forefront – a single resource covering electronic fundamentals, radio design, and loads of practical treatments and projects.

The new eighty-ninth edition of *The Handbook* includes something for every radio amateur and experimenter:

- New comprehensive treatment of noise in chapter 5.
- New test equipment and measurements chapter (chapter 25).
- New projects, including high-power RF samplers, RF current meter, and a two-tone audio oscillator from the ARRL Lab.
- Updated Elsie™ filter design software.
- Expanded content on CD-ROM, including an operating supplement for space communications, digital communications, and image communications.

A CD-ROM is included with the book. The CD-ROM includes all of the fully searchable text and illustrations in the printed book, as well as expanded supplemental content, software, PC board templates and other support files. System requirements to utilize the CD-ROM: Windows® 7, Windows Vista®, or Windows® XP, as well as Macintosh® systems, using Adobe® Acrobat® Reader® software.

The Companion Software programs are known to have difficulty running on 64-bit

versions of Windows operating systems. The programs were developed for and run on 32-bit versions of Windows operating systems. The Companion Software programs available with the *ARRL 2012 Handbook* have not been tested with 64-bit versions of Windows

This 89th edition is available in hard and soft cover, and its 1320 pages weigh in at 6 lbs!

The ARRL Handbook for Radio Communications is available from select *MT* advertisers or directly from the ARRL for \$49.95 (softcover) and \$59.95 (hardcover) plus shipping and handling.

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 to design complete antenna systems, from planning to design and construction. *The Antenna Book* includes treatments for nearly any radio band and operating application: low-band, HF, VHF, UHF and microwave; fixed station, portable, mobile, maritime, satellite and more.

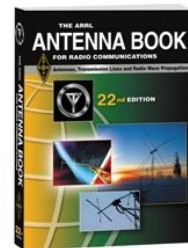
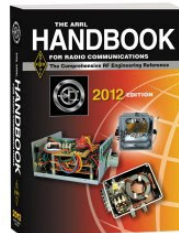
This twenty-second edition includes a complete reorganization, new content, and exciting new antenna projects:

- Every chapter updated or rewritten, including limited-space antennas, portable and mobile antennas, receiving antennas, building towers, and antenna system troubleshooting
- New designs, including a C-pole ground-independent HF antenna, a 40 meter Moxon beam, and improved half-element designs for Yagis
- Updated EZNEC-ARRL version 5.0 antenna modeling software
- Expanded content on CD-ROM, including an extensive collection of antenna models

The CD-ROM included with this book includes all of the text and illustrations in the printed book, is fully searchable, and includes utility programs and supplemental content from expert contributors. Computer system requirements to run the CD-ROM are the same as those mentioned for the *ARRL Handbook* above.

This twenty-second edition has 936 pages and in an 8-1/2x11-inch format. The book is available from select *MT* advertisers or direct from the ARRL for \$49.95 (softcover) and \$59.95 (hardcover) plus shipping and handling.

You can order all the ARRL books mentioned in this column via snail mail to 225 Main Street, Newington, CT 06111-1494, via their website at www.arrl.org, or by calling their order line at 1-860-594-0259.



Streaming App for the iPad/iPhone

If you are looking for a broadcast and scanner streaming app for your iPad or iPhone, check out Wunder Radio (\$3.99) available in the Apple iTunes store.

Wunder Radio's strength is its ability to support multiple formats including MMS, ASX, M3U, PLS, which means it can stream Sirius radio or pick up the BBC's signals. Users can search through 400 different radio genres, listen to MP3 and AAC streams in the background, and @ message favorite DJs using the app's Twitter directory.

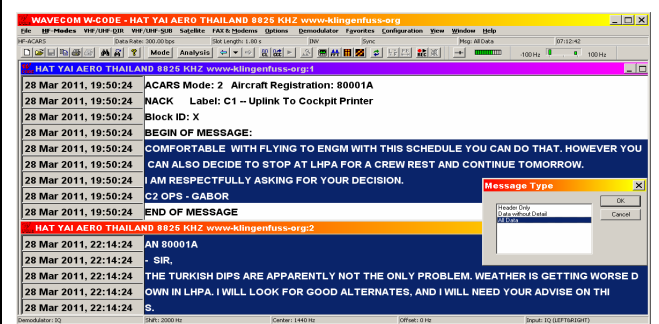
WunderRadio provides sophisticated search capabilities to help you sort through the vast number of stations. The directory of stations is constantly updated and allows you to browse by over 400 different genre (sports, music, talk, etc.), as well as by location. Alternatively, you can use the search box to look for a specific station or use GPS to view local stations.

Created by the people who brought us Weather Underground, Wunder Radio includes easy access to local NOAA weather radio streams and emergency scanner streams. Listen to popular shows and podcasts on-demand. You can even listen to radio archive footage, including coverage of significant historical events, such as the attack on Pearl Harbor or Apollo 11's mission to the moon.

Emergency scanner streams are via ScanAmerica.us and local railroad information is from RailroadRadio.net Check www.wunder-radio.com/ to see which stations are available in the directory.



High solar activity 2012 → excellent HF conditions! Worldwide Broadcast and Utility Radio Stations



2012 Super Frequency List CD - EUR 30 = \$ 40

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Books and equipment for announcement or review should be sent to What's New, c/o Monitoring Times, 7540 Highway 64 West, Brasstown, NC 28902. Press releases may be faxed to 828-837-2216 or emailed to Larry Van Horn, larryvanhorn@monitoringtimes.com.

When ordering or inquiring about the products mentioned in this column, be sure to tell them that you saw it in the pages of Monitoring Times magazine.

PAR High-Performance Shortwave Antenna

The PAR End Fedz 45-foot, commercial-quality, end-fed receiving antenna is made of virtually-indestructible Flex Weave, covered by a protective black polyethylene jacket. Impedance-matched by a 9:1, binocular-core transformer in a weather- and UV-resistant ABS housing, the wire element is firmly attached by stainless steel hardware.



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