

# Introduction to the CD-ROM Edition

## *The ARRL Handbook For Radio Communications*

This Version 20.0 of the *ARRL Handbook CD-ROM* contains the complete text, drawings and photos of the printed *2016 ARRL Handbook*. Companion software is available from [www.arrl.org/arrl-handbook-reference](http://www.arrl.org/arrl-handbook-reference).

### Using this CD-ROM

This CD-ROM is viewed using Adobe's Reader Software (also known as Adobe Acrobat Reader). Versions for both Windows and Macintosh are available from Adobe.com. Adobe Reader must be installed on your computer to access the content and features of the *ARRL Handbook*. Adobe Reader is not installed with the *ARRL Handbook* but may be downloaded from Adobe.com

### Full-Text Searching

Full-text searching is available with Adobe Reader and is very useful in finding specific text within the *ARRL Handbook*. Search may be performed in the current chapter only or in the entire contents. Different Adobe Reader versions may have somewhat different methods of accessing and using the full-text search functionality. Following is a summary of how to access Full Text Search (also known as "Search" or "Advanced Search") in supported versions of Adobe Reader. Adobe Reader versions prior to Version 10 are not supported. Consult Adobe and Adobe Reader Help files for complete information. Reference the following table for a summary of Advanced Search in recent versions of Adobe Reader.

| <b>Version</b>                      | <b>From Toolbar</b>                                                                                       | <b>From Menu</b>              | <b>From Keyboard</b> | <b>Note</b>                                                                                                                                                    |
|-------------------------------------|-----------------------------------------------------------------------------------------------------------|-------------------------------|----------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Adobe Acrobat Reader DC (Ver. 2015) | Click on the "Binocular" icon. From here select desired options (see also "Show More Options"). See Note. | Select Edit > Advanced Search | SHIFT+CTRL+F         | If "Binocular" icon is not displayed on Toolbar: Right click on Toolbar and select Show Edit Tools > Advanced Search                                           |
| Adobe Reader XI (Ver. 11.0)         | Click on the "Binocular" icon. From here select desired options (see also "Show More Options") See Note.  | Select Edit > Advanced Search | SHIFT+CTRL+F         | If "Binocular" icon is not displayed on Toolbar: Right click on Toolbar and select Edit > Advanced Search                                                      |
| Adobe Reader X (Ver. 10.0)          | Click on the "Binocular" icon. From here select desired options (see also "Show More Options"). See Note. | Select Edit > Advanced Search | SHIFT+CTRL+F         | If "Binocular" icon is not displayed on Toolbar: Right click on Toolbar and select "Edit" and then "Advanced Search".                                          |
| Adobe Reader IX (Ver 9.0)*          | Click on the "Binocular" icon. From here select desired options (see also "Show More Options"). See Note. | Select Edit > Search          | SHIFT+CTRL+F         | If "Binocular" icon is not displayed on Toolbar: Right click on Toolbar and select "More Tools", then in the "File Toolbar" section check the box for "Search" |

\*Provided for reference only. Adobe Reader Version 9 is not supported at time of publication.

Let's use this very powerful functionality to find all instances of the word "resistance" throughout the book. This example is based on the Adobe Acrobat Reader (Ver. 2015) but previous versions may be similar.

Open the ARRL Handbook Contents in Adobe Reader and then access Advanced Search from the Toolbar, Menu or Keyboard as described in the table above. Once in the Search dialog answer the question "*Where would you like to search?*" with one of several options provided

1. ***In the current document*** – if this is selected the currently selected chapter or section in the ARRL Handbook will be searched
2. ***All PDF Documents in*** – if this is selected and a target location identified all PDF documents in that folder location will be searched.

To specify a folder select "***Browse for Location***" from the dropdown and then from the dialog provided navigate to the location *C:\Program Files (X86)\ARRL 2016 Handbook\ARRL 2016 Handbook Content* and click OK.

3. ***In the Index named index.pdf*** – If this is selected the full-text search index (or catalog index) to the ARRL Handbook (index.pdx) will be searched.

After selecting one of the above options, identify in the text box "*What word or phrase would you like to search for?*" Now, type in the word "resistance" and then click on the **Search** button. The program will search for all instances of the word "resistance" and will present you with a list box showing all chapters that contain this word. Select Chapter 2 by clicking on it. The first occurrence of "resistance" will be highlighted. Now, click the Search icon again, or click the **New Search** button above the Search Results. At the bottom of the Search screen, click **Show More Options** to see Advanced Search Options.

Next, check the **Stemming** checkbox and redo the search. Again select Chapter 2. Note that the program has highlighted not only the occurrences of "resistance," but also the occurrences of "resistivity" and "resistive." This is because stemming was selected for the search, and variations on the root "resist" have been found. Again, if you wish to limit the search to exact matches for "resistance" uncheck the stemming checkbox and redo your search.

The full-text search capability gives you a very powerful tool Other than not allowing word stemming, another way to limit a search is to specify more than one word. For example, if you specify "series resistance" for the full-text search, the number of occurrences will be much smaller than for just "resistance" alone.

The full-text search capability gives you a very powerful tool for finding all sorts of information and is much more powerful in fact than an Index at the back of a paper book. Enjoy!