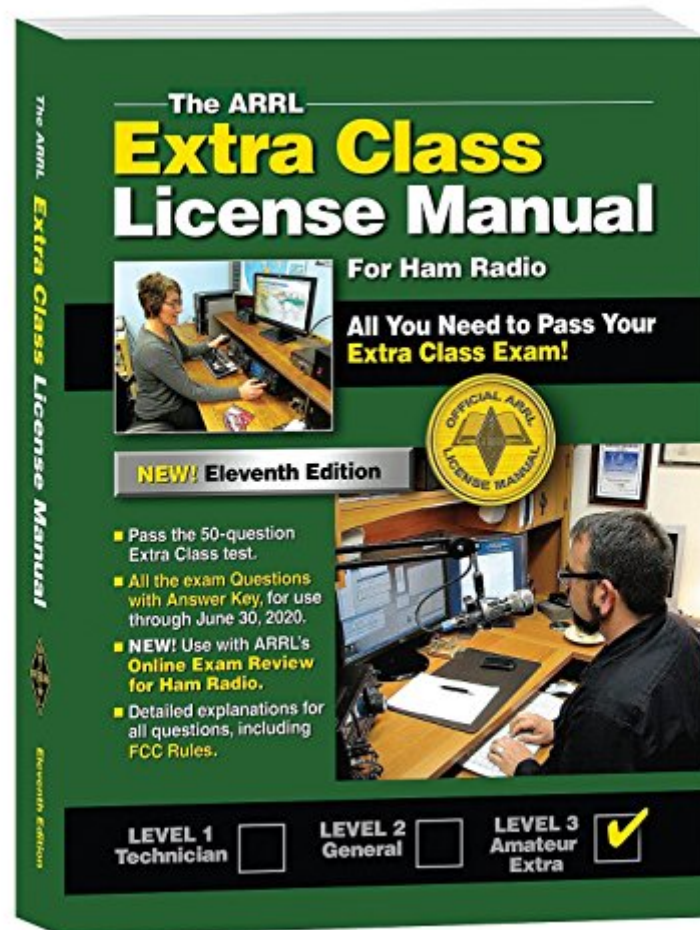


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# The ARRL Extra Class License Manual



## Synopsis

All You Need To Pass Your Extra Class Exam! Pass the 50-question Extra Class test All the Exam Questions with Answer Key, for use beginning July 1, 2016 NEW! Use with ARRL's online Exam Review for Ham Radio. NEW! Spiral Bound Edition (sold separately) Detailed explanations for all questions, including FCC rules The ARRL Extra Class License Manual is your ticket to every privilege granted to Amateur Radio Operators. Our expert instruction will lead you through all of the knowledge you need to pass the exam: rules, specific operating skills and more advanced electronics theory. As an Extra Class licensee, you will have full privileges on all frequencies authorized by the FCC for Amateur Radio. To upgrade to Extra Class you must already hold a General Class license (or have recently passed all of the exams required for a General Class license). Upgrading to an Extra license only requires passing a written examination. Use this book to study for your Extra Class (Element 4) license exam. Every page presents information you will need to pass the exam and become an effective operator. For study purposes, information is presented in small sections: Operating Practices Rules and Regulations Electrical Principles Components and Building Blocks Electronic Circuits Radio Signals and Measurements Radio Modes and Equipment Antennas and Feed Lines Topics in Radio Propagation Safety NEW FEATURE: Online Review and Practice Exams. As you complete each chapter of this book, use ARRL's online Exam Review for Ham Radio to help prepare you for exam day. This web-based service uses the question pool to construct chapter-by-chapter reviews. Once you've finished this book, use the online service to take practice exams with the same number and variety of questions that you'll encounter on exam day. You won't have any surprises on exam day!

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## Customer Reviews

The writing is clear and concise. All subjects are covered. Good answer key. I purchased the spiral bound book is of high quality, lays flat for study, and the print is a good size. The spiral is just a few cents more than the paperback so I highly recommend it. The Kindle version is over priced in my opinion. My only complaint is this book cannot be used with the 'ARRL's online Exam Review for Ham Radio' as advertised because that online version doesn't work, the registration procedure is flawed. I have written ARRL no less than 6 times without a response so don't expect any assistance. The book definitely has everything that is on the exam but there is no substitute for a practice exam. I wish they included a practice exam disk like they use to on their books instead of a online version since they fail to support the online version.

Using the ARRL License Manual, you will EARN your Extra Class license. There is no way to fail if you have properly studied this manual. It has everything you need to pass the exam, and best yet, you will know the material. With the ARRL manuals I go a perfect 100% test score on both my Technician and General class exams. I am waiting on the paperback volume to be delivered in the mail, but I am studying the Kindle version right now. I love the ARRL manuals. You can't lose with these manuals. -Jack KD6MGN

Exactly what I was looking for. Not only did it help me pass my Extra Class exam, but it explained the rationale behind the answers. I didn't just want to learn the test, I wanted to learn the theory -- that's why I wanted to become an Extra Class Operator.

Over the years (decades), ARRL has refined and perfected these books. They have questions in the back of the book with references to the page and item number where the information is found.

As you are reading, have a yellow highlighter handy and highlight those referenced numbers. Then, when you review the test questions, you can quickly find where the information is located to answer that question. Now you know why ARRL has been THE AUTHORITY for these books and for preparing for the exams as compared to other authors.

This one is hard to review fully, because I am only just beginning to study using it. But the teacher borrowed it and speaks very highly of it. It is a huge book; nobody could give a proper and full review in those few weeks unless they had the time read it very closely. I can say that it looks wonderful, Each question that I sampled felt very clear, and the explanations seemed useful. I learned all the right answers, and they stuck with me. I give the few questions I was able to get to some very high marks.

This is a nice book for the non EE type to have as a reference. If you are an EE this book is a refresher, and this book will help you with the FCC rules that were not taught in school. I do not recommend this for just passing the extra exam as studying this will take a lot of time, for that you should get another book to make the most efficient use of your time. The extra pool of questions with answers are in the back of the book and if you just highlight the answers and review them daily, you will improve your chances of passing simply by memorizing most the correct answers, if you don't get that other book from Gordon West. This book is of high print quality with excellent illustrations, and the spiral binding is a huge plus.

The book is excellent at explaining what you need to understand about amateur radio by integrating question-answers and explanations into the content. Then you can click on the highlighted questions in the paragraph, in the Kindle version and go to the question and see the same thing you just read. It's kinda like Jeopardy where you get the answer first then the question. And you can just tap the backspace key and go back to your place in the book.

I have been in radio for a long-time, having passed my Novice Class license in 1959, my First Class Radiotelephone in 1967 and my Advanced Class license in 1977. I have worked in communications all of my life. Now that I am preparing for my Extra Class license, I decided that I should get a good study guide that covers those subjects that have not been part of my routine work. Previously, license study guide consisted of FCC question, answer and a discussion. This study guide is different because it is a text that educates the reader on the basic knowledge that is expected of an

amateur holding an Extra Class license. At the end of the book is a sample exam. As I study the book, I will skim many sections, but I will carefully study others.

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