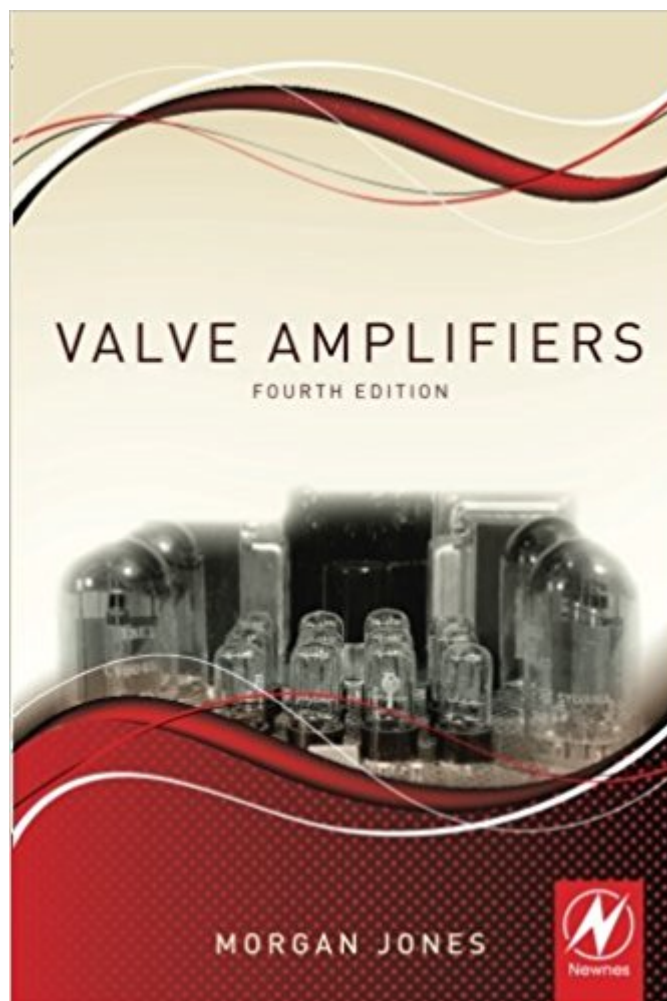


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# Valve Amplifiers, Fourth Edition



## Synopsis

Valve Amplifiers has been recognized as the most comprehensive guide to valve amplifier design, analysis, modification and maintenance. It provides a detailed presentation of the rudiments of electronics and valve design for engineers and non-experts. The source also covers design principles and construction techniques to help end users build their own tool from scratch designs that work. The author's approach walks the reader through each step of designing and constructing, starting with an overview of the essential working principles of valve amplifiers, the simple and complex stages, the process of linking the stages, and completing the design. The book is comprised of seven chapters all of which include a DIY guide discussion of practical aspects. The text starts with familiarization of the fundamentals of electronics, which are essential for designing and building valve amplifiers. Particular attention has been paid to providing solutions for questions that are commonly asked and faced by beginners in valve designing and construction. Valve Amplifiers is a masterful hands-on guide for both experts and novices who work with tube audio equipment, and for electronic hobbyists, audio engineers, and audiophiles. The practical guide to analysis, modification, design, construction and maintenance of valve amplifiersThe fully up-to-date approach to valve electronicsEssential reading for audio designers and music and electronics enthusiasts alike

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## Customer Reviews

"the book is a companion to the book Valve Amplifiers, 4th edition also by Morgan Jones and published by Newnes/Elsevier. This is a serious design book with details on audio circuit design, equations and related topics. A 4th edition means that the book has been around for a while and is being updated and there is a real market for it." --ElectronicDesign.com, March 2014

The second edition of this book was the first book on tube amps I ever read. I borrowed it from the local library. I can not say that I understood all the concepts then, but for some reason whenever I had returned the book to the library there was something I had to look up, so I bought the third edition. There are not very many good tube books out there, you can believe me because I have read everything from the 1956 RCA tube manual to most of the modern books on the subject. This book is not perfect. It has the tendency to hide a lot of information in the text instead of making a clear presentation from point A to point B. It assumes that you have read all the preceding chapters and have them fresh in your head because there are explanations on things in chapter 13 that is based on stuff in chapter 3 with no references what so ever. That said, I think this is probably the best place to start. It has lots of information that is relatively easy to grasp. If you are more interested in guitar amplifiers, then I would not recommend you to start with this book. It has all the basic information you need to design a guitar amplifier, so it is not bad reading, but I would recommend you to buy "The Ultimate Tone" series (probably start with volume 3) by Kevin O'Connor instead. Because it explains more of the guitar concepts, such as how to make distortion sound good. If you want to design tube amplifiers I recommend this book. Even though I have many tube books this is the one I always come back to when I want to look something up.

Beyond my expectations in details, but targeted to hi fi tube amplifiers. Many details on amps circuits, tricks, do and don'ts and not for ones that looking for guitar amps. Eng. Fernando

I haven't touched electronics for 35 years, so I embarked on this book with a bit of trepidation. In fact, I can't put it down. Everything Morgan says makes sense, and he leads you in a very structured way in putting together all of the building blocks that go together in designing an amplifier.

Tons of great info. Helped me build my kt77 amp and 12au7 preamp.

A comprehensive and detailed book about designing various tube amplifiers. Yet, the author's approach is based on measurements only, disregarding sound qualities which don't appear on

conventional measurements. Recommended for anyone designing tube amplifiers, including DIY'ers, provided the reader don't take the author's recommendation on face value.

I have read about 1/2 of this book so far. It is the most comprehensive book of it's type intended for people who know a fair amount about tubes, but want to learn the fine details. This book accomplishes this without a doubt. If you are looking for "VALVE AMPLIFIER DESIGN FOR IDIOTS", then don't buy this book. This is not Tubes 101. It assumes that the reader has a basic understanding of how tubes work. It uses simple math to describe things without going in to the crazy math, physics and chemistry of things. It is not meant for hobbyists just trying to fix up an old amp. There are other books for that. This book is meant to be read by people who are already educated in the operation of tubes and want to learn how to design tube power amplifiers. I am only 1/2 way through this book and have a bunch of ideas as to how I want to proceed with a design. This book has accomplished what it set out to do 100%. If your brain can handle it, you will leave this book with the ability to design a fine tube amplifier. Building it is another story. That is the topic of the author's other book which I have bought, but not read yet. If you are looking to design a tube (valve) amplifier, then this is the book for you. If you are just a hobbyist or audiophile looking to fix or upgrade an amplifier, then this is not for you. Skip Malley

I wanted a book that would help someone build a vacuum tube amplifier who understood basic electronics but who had no prior experience with vacuum tubes (or valves as the British call them). This book was the answer to my search. Morgan Jones does a great job with the book. There were some minor (editing?) errors but these were of no great consequence. From the education in the book, I was able to build a single ended monobloc amp for about \$500 which sounds as good as some commercial tube amps costing \$5000 (my unbiased opinion)

Jones takes a very practical yet comprehensive approach to the design of valve amps and preamps. I've built quite a few over the years and was skeptical that I would get much out of this book, yet every chapter had some nuggets in it that either I didn't know or systematized previously unconnected things I did know. Hours and hours of fun. And really well-written. Excellent work, and I've recommended it to everyone I know with an interest in the subject.

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