



# The TAB Guide to Vacuum Tube Audio: Understanding and Building Tube Amps (TAB Electronics)

By Jerry C. Whitaker

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**The TAB Guide to Vacuum Tube Audio: Understanding and Building Tube Amps (TAB Electronics)** By Jerry C. Whitaker

## 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.

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### **Editorial Review**

#### About the Author

**Jerry C. Whitaker** is Vice President of Standards Development at the Advanced Television Systems Committee (ATSC), Washington, D.C. He was previously President of Technical Press, a consulting company based in the San Jose area. Whitaker has been involved in various aspects of the electronics industry for over 30 years, with specialization in communications. He is the former editorial director and associate publisher of *Broadcast Engineering* and *Video Systems* magazines, and a former radio station chief engineer and television news producer. Mr. Whitaker is a Fellow of the Society of Broadcast Engineers, an SBE-certified professional broadcast engineer, a fellow of the Society of Motion Picture and Television Engineers, and a member of the Institute of Electrical and Electronics Engineers.

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