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# Audio Power Amplifier Design Handbook, Second Edition

*By Douglas Self*



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## Audio Power Amplifier Design Handbook, Second Edition By Douglas Self

This is a uniquely detailed and practical text on the design of audio amplifiers. Based on his work in Electronics World and a career at the cutting edge of audio design, Douglas Self has compiled a handbook for professionals and students that provides a clear and practical guide to the state of the art.

This new edition is more comprehensive than ever. Major new and expanded sections include:

Load-invariant power amps

Distortion residuals

Diagnosis of amplifier problems from their appearance

Reactive loads on amplifiers

How to make loudspeakers draw higher currents

The practical side of variable temperature coefficient bias generators

Douglas Self has dedicated himself to demystifying amplifier design and establishing empirical design techniques based on electronic design principles and experimental data. His rigorous and thoroughly practical approach has established him as a leading authority on amplifier design, especially through the pages of Electronics World where he is a regular contributor.

A uniquely comprehensive and practical handbook for professionals.

Scientific electronics based on empirical data.

Written by the Chief Designer of a leading company in this field.



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## **Audio Power Amplifier Design Handbook, Second Edition** By Douglas Self Bibliography

- Sales Rank: #3689797 in Books
- Brand: Brand: Newnes
- Published on: 1999-11-15
- Ingredients: Example Ingredients
- Original language: English
- Number of items: 1
- Dimensions: 9.25" h x 6.25" w x 1.00" l,
- Binding: Paperback
- 367 pages

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#### **Review**

'A detailed and practical manual... a clear and practical text on the latest developments... will be useful as a text for teaching as well as a key source for engineers.' *Lighting & Sound*

#### **From the Back Cover**

- \*Discover the secrets of cutting-edge audio design
- \*The definitive professional handbook for amplifier designers
- \*Includes a new chapter on Class G amplifiers

Douglas Self has called upon his years of experience at the cutting edge of audio design to compile this handbook for professionals and students. The book provides a clear and practical guide to the state of the art, and includes detailed design and construction information.

This new edition is more comprehensive than ever, with a new chapter on Class G amplifiers and further new material on output coils, thermal distortion, relay distortion, ground loops, triple EF output stages and convection cooling.

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#### **About the Author**

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