



The Audio Expert: Everything You Need to Know About Audio

By *Ethan Winer*

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The Audio Expert: Everything You Need to Know About Audio By Ethan Winer

Gain a deep understanding of audio practice and theory with this easy-to-read book, illustrated with more than 400 figures and photographs. Using common sense, plain-English explanations and minimal math, author Ethan Winer helps you understand audio at the deepest, most technical level?no engineering degree necessary.

If you're an intermediate to advanced recording engineer or audiophile, you already know the basic mechanics of how audio "works." This book will take you beyond that, weaving together audio concepts, theories of aural perception and acoustics, musical instrument physics, and basic electronics and demonstrating their relationships to one another.

Rather than merely showing you how to use audio devices like equalizers and compressors, Winer explains how they work internally and how they are spec'd and tested.

With *The Audio Expert*, you get:

- * Videos and audio examples on the companion website (www.TheAudioExpertBook.com) that help you understand complex topics, such as vibration and resonance
- * Platform agnostic explanations, applying to Windows and Mac operating systems, and to most software and hardware
- * Practical tips, tricks, advice, and lots of myth-busting

Bonus chapters are currently available on FocalPress.com.

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Editorial Review

From the Back Cover

The Audio Expert is a comprehensive reference that covers all aspects of audio, with many practical, as well as theoretical, explanations. Providing in-depth descriptions of how audio really works, using common sense plain-English explanations and mechanical analogies with minimal math, the book is written for people who want to understand audio at the deepest, most technical level, without needing an engineering degree. It's presented in an easy-to-read, conversational tone, and includes more than 400 figures and photos augmenting the text.

The Audio Expert takes the intermediate to advanced recording engineer or audiophile and makes you an expert. The book goes far beyond merely explaining how audio "works." It brings together the concepts of audio, aural perception, musical instrument physics, acoustics, and basic electronics, showing how they're intimately related. Describing in great detail many of the practices and techniques used by recording and mixing engineers, the topics include video production and computers. Rather than merely showing how to use audio devices such as equalizers and compressors, Ethan Winer explains how they work internally, and how they are spec'd and tested.

Most explanations are platform-agnostic, applying equally to Windows and Mac operating systems, and to most software and hardware. TheAudioExpertbook.com, the companion website, has audio and video examples to better present complex topics such as vibration and resonance. There are also videos demonstrating editing techniques and audio processing, as well as interviews with skilled musicians demonstrating their instruments and playing techniques.

About the Author

Ethan has, at various times, worked as a studio musician, computer programmer, circuit designer, recording engineer, composer/arranger, technical writer, and college instructor. He's had nearly 100 feature articles published in audio and computer magazines including Mix, PC Magazine, Electronic Musician, EQ Magazine, Audio Media, Sound on Sound, Keyboard, Pro Sound News, and Recording. . In 2002 he started the company RealTraps to manufacture bass traps and other acoustic treatment, which he continues to this day.

Users Review

From reader reviews:

Sheldon Downs:

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Theresa Walker:

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