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Sound And Recording: Applications And Theory

SOUND AND RECORDING
APPLICATIONS AND THEORY

FRANCIS RUMSEY AND TIM McCORMICK

SEVENTH EDITION
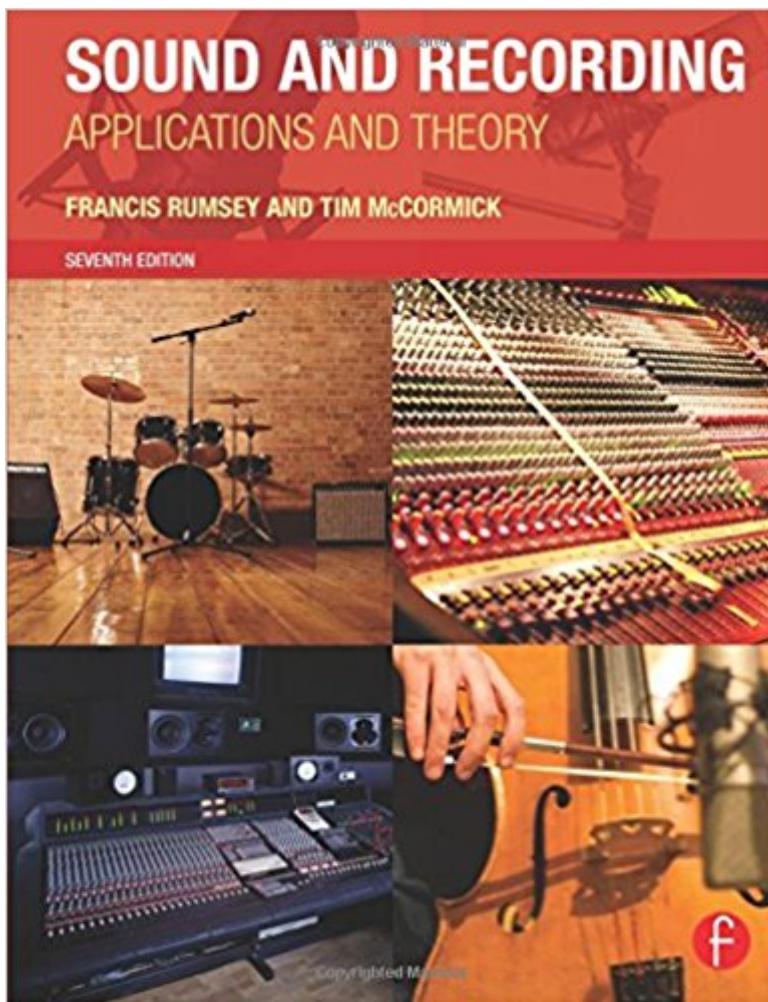
Synopsis

Providing vital reading for audio students and trainee engineers, this guide is ideal for anyone who wants a solid grounding in both theory and industry practices in audio, sound and recording. There are many books on the market covering "how to work it" when it comes to audio equipmentÃ¢â ¬â ¢but Sound and Recording isnÃ¢â ¬â„¢t one of them. Instead, youÃ¢â ¬â„¢ll gain an understanding of "how it works" with this approachable guide to audio systems. New to this edition: Digital audio section revised substantially to include the latest developments in audio networking (e.g. RAVENNA, AES X-192, AVB), high-resolution surround and parametric audio coding, workstation processing technology, mastering for iTunes, and loudness normalization Coverage of immersive audio systems such as Dolby Atmos, Auro 3D and WFS along with recent developments in audio object coding   Sections on digital radio microphones, loudspeaker sensitivity issues and development, and highly directional loudspeaker systems   Substantial new sections on recent developments in audio network device discovery and control and the Open Control Architecture

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Customer Reviews

"When a technical book is republished in a second or third edition, you know it's become recognised as a reference work, but when it reaches a seventh edition, I think it's legitimate to suggest that it has become something of a 'bible'! ...If you want just one reference book on audio, this one is hard to beat." -Hugh Robjohn, Sound On Sound Magazine "Sound and Recording: Applications and

Theory, 7th Edition, is a comprehensive authoritative work, and it belongs on the reference shelf of every conscientious audio professional. I highly recommend it." Ã Â - Alan Hardiman, Professional Sound

Francis Rumsey is Consultant Editor and Technical Writer for the Journal of the Audio Engineering Society, and runs his own consultancy company, Logophon Ltd. Until 2009 he was a Professor at the University of Surrey (UK), specialising in audio engineering and psychoacoustics. He is chair of the AES Technical Council, a Fellow of the AES, and a busy organist. Tim McCormick is a former Deputy Head of sound at the Royal Exchange Theatre in Manchester (UK), has extensive experience in design and manufacture of audio electronics, and has worked at Klark Teknik and with the RSC at Stratford (UK) where he plotted and operated the sound for many shows as well as designing and building audio equipment when the need arose. Also interested in medieval architecture, The Cathedrals, Abbeys and Priories of Wales was published on 2010.

Great book must read

The 2014 edition is an excellent reference for reading up on the art and science of recording as it is practiced today with analog and digital tools. It is well organized, clearly written and illustrated with easy to understand graphics.

Great purchase, thank you will be shopping for other books and n the near future.

Yes

A good primer, but some chapters, i.e. the one on mixers, could be written more clearly. The tone of the tome is British colloquial and requires a bit of adjustment for the American reader.

Sound and Recording: Applications and Theory is exactly what it sounds like it is ÃƒÂ¢Ã â ¬Ã â œ a textbook for live sound and recording engineers. Given that caveat, this is an excellent text for students and an essential reference for professionals. Authors Francis Rumsey and Tim McCormick have impeccable professional and teaching credentials and bring to bear their combined experience and expertise to give readers an in-depth writing on the subject.As a reference text, the writing is somewhat dry and will often go beyond the depth of the layperson. However, there is enough

explanation that most readers with any background in recording or live sound reinforcement will find the point quickly. The diagrams included are appropriate and clear and provide adequate demonstration of the concepts being discussed.As this is the seventh edition of this reference, there are several new additions from the previous edition. Updates include new information on emerging industry-standard networking, workstations, software and mastering techniques (including an excellent addition regarding mastering for the ubiquitous iTunes formats). Additional information on emerging systems from Dolby and other recognized leaders will prove invaluable for the professional. Basic information is also provided on new audio reinforcement technologies that are quickly being adapted by high-end venues and outlets.As the synopsis on the dust jacket alludes, there are numerous books that describe ÃƒÂ¢Ã â¬Ã Å"how to workÃƒÂ¢Ã â¬Ã Â• audio equipment. This book takes the educational tactic of ÃƒÂ¢Ã â¬Ã Å"how it works,ÃƒÂ¢Ã â¬Ã Â• assuming that the reader has had some experience and background with which to approach this subject. Though not written for amateurs, professionals and students will find an excellent addition to their reference library in this edition of Sound and Recording.

I have always been interested in sound theory and application of sound recording. I'm no professional, but I do consider myself an audiophile and have tested and owned expensive audio equipment, always trying to optimize my equipment, placement, isolation, and other factors based upon a scientific approach. Plus, I am an armchair videographer too in this modern age of making videos so easily, so sound application is quite interesting to me.At first flipping through the book I was put off by what appears to be highly complex math equations, charts, and diagrams. A little too high brow perhaps, reading that the author is a former professor. Fear not, the intro he writes that this book isn't meant to be a technical reference guide for experts but that he wasn't going to skimp on fundamentals either. And that's exactly what it is - no skimping on what needs to be there, one gets a solid introduction to the topics but it's not ridiculously hard to understand either. Did not leave me feeling like I wanted more. This would be a good book for an introductory level college course to put it into perspective, but most certainly not graduate division level.I'm enjoying the fundamentals that apply to listening experiences that I have in my home and car. I hope to also be able to produce some better videos pertaining to sound quality experiences. So if you're like me and want to improve upon your skills, this is a great book. If you're a Ph.D engineering student, this book probably is too low a level for you.

If you are looking for a ÃƒÂ¢Ã â¬Ã Å"how toÃƒÂ¢Ã â¬Ã Â• set up your audio, sound and

recording studio, this will not be the book for you. If you already have set up a sound studio or recording studio and would like to learn more about what you have or should have to better understand your system, then the book may be what you need. It is a reference book with lots of details on applications and theory about sound and recording. I personally do not have such a studio however my grand daughter does and I will be assisting her in learning more about sound and recording. There are sections on microphones, loudspeakers, mixers, analog recording, noise reduction and dozens of other terms associated with sound and recording. This is an excellent reference book and will be used many times in the future as we both learn more about the subjects discussed in this excellent book. There are many charts and photos locate throughout the book.

Beginner's Home Recording On A Budget: How to Build an Affordable Recording Studio at Home and Get Your Music Heard (Home Recording, Home Recording for ... Songwriting, Home Studio, Acoustic) Sound and Recording: Applications and Theory Recording Unhinged: Creative and Unconventional Music Recording Techniques Bk/online media (Music Pro Guides) The Beatles Recording Reference Manual: Volume 1: My Bonnie through Beatles For Sale (1961-1964) (The Beatles Recording Reference Manuals) Practical Recording Techniques: The Step- by- Step Approach to Professional Audio Recording Sound Innovations for String Orchestra: Sound Development (Intermediate) for Violin: Warm up Exercises for Tone and Technique for Intermediate String Orchestra (Sound Innovations Series for Strings) ABC & 123 Learning Songs: Interactive Children's Sound Book (11 Button Sound) (11 Button Sound Book) Making Waves: Sound : Sound (Everyday Science): Sound (Everyday Science) The SOS Guide to Live Sound: Optimising Your Band's Live-Performance Audio (Sound On Sound Presents...) Sound and Recording Handbook of Sound Studio Construction: Rooms for Recording and Listening (Electronics) Sound Man: A Life Recording Hits with The Rolling Stones, The Who, Led Zeppelin, The Eagles , Eric Clapton, The Faces . . . Sound FX: Unlocking the Creative Potential of Recording Studio Effects (Audio Engineering Society Presents) The Sound of Music: Vocal Selections with Piano Recording Bk/Online Audio Sound Recording: The Life Story of a Technology Sound Unseen: Acousmatic Sound in Theory and Practice Price Theory and Applications (with Economic Applications, InfoTrac 2-Semester Printed Access Card) Price Theory and Applications (with Economic Applications) Introduction to Non-Abelian Class Field Theory, An: Automorphic Forms of Weight 1 and 2-Dimensional Galois Representations (Series on Number Theory and Its Applications) Sound Systems: Design and Optimization: Modern Techniques and Tools for Sound System Design and Alignment

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