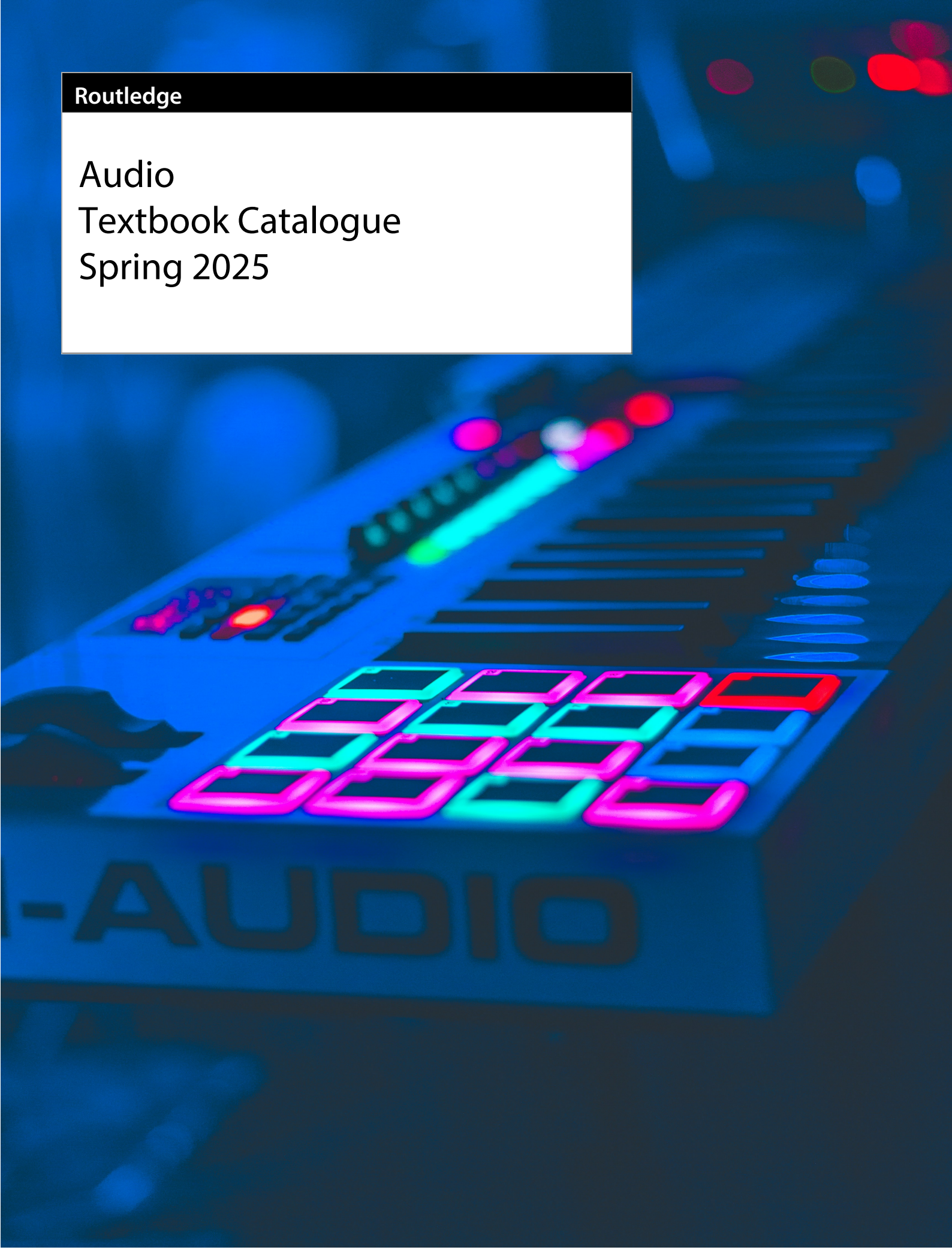

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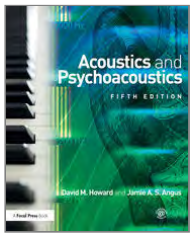
5TH EDITION

Acoustics and Psychoacoustics



David M. Howard Royal Holloway University, Electronic Engineering Department**., Jamie Angus** York University, UK

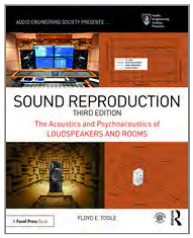
Acoustics and Psychoacoustics, Fifth Edition provides tools to understand how music sounds and behaves in different spaces, and how sounds are perceived by performers and listeners. This new edition reflects new psychoacoustic information related to timbre and temporal perception, including an updated discussion of vocal fold vibration principles, samples of recent acoustic treatments, and a description of variable acoustics in spaces, as well as coverage of the environment's effect on production listening, sonification, and other topics. An accompanying website features audio clips, tutorial sheets, and trainings.

Routledge
June 2017 : 518pp
Pb: 978-1-138-85987-6 : **£58.99**
Hb: 978-1-138-24139-8 : **£135**
eBook: 978-1-315-71687-9
* For **full contents** and more information, visit: **www.routledge.com/9781138859876**

3RD EDITION

Sound Reproduction

The Acoustics and Psychoacoustics of Loudspeakers and Rooms



Floyd Toole

Series: Audio Engineering Society Presents

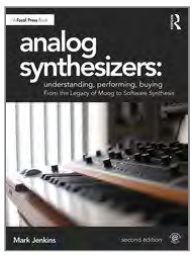
Sound Reproduction: The Acoustics and Psychoacoustics of Loudspeakers and Rooms, Third Edition explains the physical and perceptual processes that are involved in sound reproduction and demonstrates how to use the processes to create high quality listening experiences in stereo and multichannel formats. Understanding the principles of sound production is necessary to achieve the goals of sound reproduction in spaces ranging from home listening rooms to large cinemas. This revision brings new science-based perspectives on the performance of loudspeakers, room acoustics, measurements, and equalization.

Routledge
August 2017 : 514pp
Pb: 978-1-138-92136-8 : **£59.99**
Hb: 978-1-138-92137-5 : **£180**
eBook: 978-1-315-68642-4
* For **full contents** and more information, visit: **www.routledge.com/9781138921368**

2ND EDITION

Analog Synthesizers: Understanding, Performing, Buying

From the Legacy of Moog to Software Synthesis



Mark Jenkins

In this book, the technical explanation of the nature of analog sound creation is followed by the story of its birth and its subsequent development by various designers, manufacturers and performers. The book includes appendices listing the major instrument lines available, hints on values and purchasing. A companion website is available consisting of sound examples and extra techniques. This revised edition meets the demand of piqued interest in analog, by offering updated interviews and biographies, equipment reviews and second-user prices, manufacturing features, discographies and all the latest software.

Routledge
July 2019 : 448pp
Pb: 978-1-138-31936-3 : **£45.99**
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2ND EDITION

Designing Audio Power Amplifiers

Bob Cordell

This book presents a comprehensive, in-depth overview of designing power audio amplifiers in a way that is accessible to beginning students as well as professionals. The book takes the reader from the basics of amplifier design through building block circuits and ends with class D amplifiers. This second edition is fully updated with critical new chapters on noise in theory and technical application, complications of output stages, a high performance amplifier example, switching power supplies, and professional power amplifiers.

Routledge
June 2019 : 792pp
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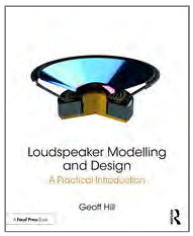
Loudspeaker Modelling and Design

A Practical Introduction



Geoff Hill

Written by an author with over 40 years of passion and experience in the world of loudspeaker design, this book presents an overview that is written in a language accessible to all levels of professional reader. The book brings together theory and practice, covering topics that range from programming simulations through to the details of executing a prototype design. The advice presented focusses on low or no cost software and includes thorough visuals to illustrate concepts, plus video tutorials.

Routledge
October 2018 : 390pp
Pb: 978-0-815-36133-6 : **£58.99**
Hb: 978-0-815-36132-9 : **£155**
eBook: 978-1-351-11642-8
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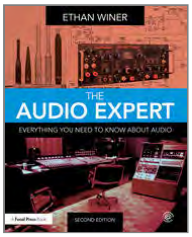
2ND EDITION

The Audio Expert

Everything You Need to Know About Audio



Ethan Winer Co-owner, RealTraps, USA

This book is a comprehensive guide to all aspects of audio, both practical and theoretical. It brings together the concepts of musical instrument physics, acoustics, electronics, aural perception, and more. In language that is not overly technical, the book will benefit readers at beginner to advanced levels, using any computer system or software. The new edition offers corrections and updates throughout; plus new sections on coding an equalizer, comparing microphone preamps, testing results of loudspeaker isolation devices, new chapters on music theory, MIDI Basics, Computers, Video Production, plus new myth-busters, and much more!

Routledge
December 2017 : 808pp
Pb: 978-0-415-78884-7 : **£55.99**
Hb: 978-0-415-78883-0 : **£155**
eBook: 978-1-315-22316-2
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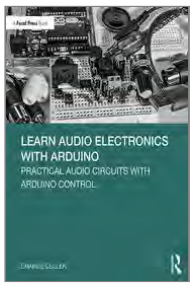
Learn Audio Electronics with Arduino

Practical Audio Circuits with Arduino Control

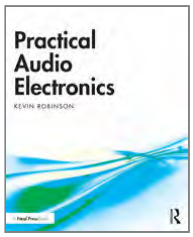


Charlie Cullen

Learn Audio Electronics with Arduino teaches the reader how to use Arduino to control analogue audio circuits and introduces electronic circuit theory through a series of practical projects, including a MIDI drum controller and an Arduino-controlled two-band audio equalizer amplifier. Building on high-school physics and mathematics in an accessible way, Learn Audio Electronics with Arduino is suitable for readers of all levels. An ideal tool for those studying audio electronics, including as a component within other fields of study, such as computer science, human-computer interaction, acoustics, music technology, and electronics engineering.

Focal Press
April 2020 : 486pp
Pb: 978-0-367-18665-4 : **£45.99**
Hb: 978-0-367-18664-7 : **£135**
eBook: 978-0-429-19749-9
* For **full contents** and more information, visit: **www.routledge.com/9780367186654**

Practical Audio Electronics



Kevin Robinson

A comprehensive introduction to basic audio electronics and the fundamentals of sound circuit building, providing the reader with the necessary knowledge and skills to undertake projects from scratch. Suitable for all levels of technical proficiency, this book encourages a deeper understanding through highlighted sections of advanced material and example projects including circuits to make, alter, and amplify audio, providing a snapshot of the wide range of possibilities of practical audio electronics. An ideal resource for students, hobbyists, musicians, audio professionals, and those interested in exploring the possibilities of hardware-based sound and music creation.

Focal Press
January 2020 : 440pp
Pb: 978-0-367-35985-0 : **£33.99**
Hb: 978-0-367-35986-7 : **£115**
eBook: 978-0-429-34305-6
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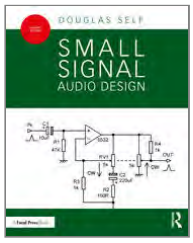
4TH EDITION

Small Signal Audio Design



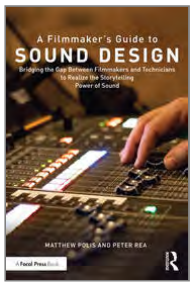
Douglas Self

Small Signal Audio Design is a highly practical handbook providing an extensive repertoire of circuits that can be assembled to make almost any type of audio system. This fully revised fourth edition offers wholly new content on internally balanced audio design, electret microphones, emitter-follower stability, microphony in capacitors, and much, much more. Including all the crucial theory, but with minimal mathematics, this book is the must-have companion for anyone studying, researching, or working in audio engineering and audio electronics.

Focal Press
December 2023 : 846pp
Pb: 978-1-032-36625-8 : **£77.99**
Hb: 978-1-032-36627-2 : **£140**
eBook: 978-1-003-33298-5
* For **full contents** and more information, visit: **www.routledge.com/9781032366258**

A Filmmaker's Guide to Sound Design

Bridging the Gap Between Filmmakers and Technicians to Realize the Storytelling Power of Sound



Matthew Polis SoundSpace Studio, USA**, Peter Rea** Film & Television Department, New York University

This illuminating, engaging book offers an introduction to the art of sound design and postproduction audio, written especially for directors, producers, sound designers, and teachers without a technical background in sound. Balancing practical, experienced-based insight, numerous examples, and unique concepts like storyboarding for sound, A Filmmaker's Guide to Sound Design arms students, filmmakers, and educators with the knowledge to creatively and confidently navigate their film through the post audio process.

Routledge
September 2023 : 186pp
Pb: 978-0-367-24991-5 : **£34.99**
Hb: 978-0-367-24990-8 : **£145**
eBook: 978-0-429-28538-7
* For **full contents** and more information, visit: **www.routledge.com/9780367249915**

Art of Sound

Creativity in Film Sound and Electroacoustic Music

Andrew Knight-Hill , Emma Margetson

Series: Sound Design

Bringing together a diverse group of world-leading professionals across post-production film sound and electroacoustic music, Art of Sound explores the creative principles that underpin how sonic practitioners act to compose, tell stories, make us feel and communicate via sound. Art of Sound provides insight into the latest developments and approaches to sound and image practice for composers, filmmakers, directors, scholars, producers, sound designers sound editors, sound mixers, and students who are interested in understanding the creative potential of sound.

Focal Press
December 2023 : 250pp
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Hb: 978-0-367-75589-8 : **£150**
eBook: 978-1-003-16307-7
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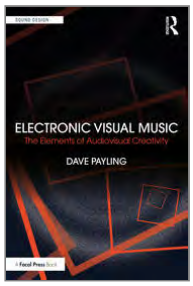
Electronic Visual Music

The Elements of Audiovisual Creativity



Dave Payling

Series: Sound Design

Electronic Visual Music is a comprehensive guide to the composition and performance of visual music, and an essential text for those wanting to explore the history, performance strategies, compositional methodologies and practical techniques for conceiving and creating electronic visual music. This book is a valuable resource for artists and practitioners, as well as students and researchers working in disciplines such as music composition, music production, video arts, animation and related media arts, who are interested in informing their own work and learning new strategies and techniques for exploration and creative expression of electronic visual music.

Focal Press
September 2023 : 164pp
Pb: 978-1-032-32663-4 : **£32.99**
Hb: 978-1-032-32671-9 : **£135**
eBook: 978-1-003-31613-8
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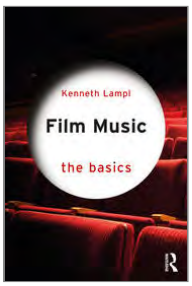
Film Music

The Basics



Kenneth Lampl Australian National University, Australia

Series: The Basics

A comprehensive introduction to film music, this book provides a concise and illuminating summary of the process of film scoring, as well as a succinct overview of the rich history of contemporary film music. Written in a non-technical style, this book begins by presenting a brief history of film music from the last 30 years, covering topics ranging from blockbuster franchises to indie film scores. Complete with a glossary of key terms and further reading, this book is an invaluable resource for all those beginning to study film music, as well as lifelong film music buffs seeking to update their understanding of film music.

Routledge
October 2023 : 156pp
Pb: 978-1-032-26745-6 : **£19.99**
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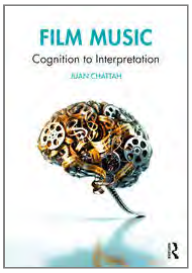
Film Music

Cognition to Interpretation



Juan Chattah University of Miami, USA

Film Music: Cognition to Interpretation explores the dynamic counterpoint between a film's soundtrack, its visuals and narrative, and the audience's perception and construction of meaning. Adopting a holistic approach covering both the humanities and the sciences, the author examines the perceptual and cognitive processes that elicit musical meaning in film and breathe life into our cinematic experiences. Across ten chapters, extensive appendices, and hundreds of film references, this book offers a new mode of analysis, inviting readers to unlock a deeper understanding of the expressive power of film music.

Routledge
December 2023 : 260pp
Pb: 978-1-138-58671-0 : **£37.99**
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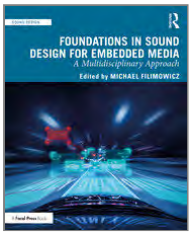
Foundations in Sound Design for Embedded Media

A Multidisciplinary Approach



Edited by **Michael Filimowicz** Simon Fraser University, Canada

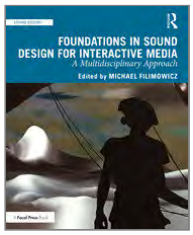
Series: Sound Design

A comprehensive introduction to foundational topics in sound design for embedded media, such as physical computing; interaction design; auditory displays; data sonification; speech synthesis; wearables; smart objects; user experience; playful tangible objects; and the new sensibilities entailed in expanding the concept of sound design to encompass the totality of our surroundings. The reader will gain a broad understanding of the key concepts and practices that define sound design for its use in computational products and design. Designed as a textbook for students and teachers, as a handbook for researchers in sound, programming and design, and as a survey of key trends and ideas.

Routledge
July 2019 : 430pp
Pb: 978-1-138-09389-8 : **£47.99**
Hb: 978-1-138-09387-4 : **£135**
eBook: 978-1-315-10635-9
* For **full contents** and more information, visit: **www.routledge.com/9781138093898**

Foundations in Sound Design for Interactive Media

A Multidisciplinary Approach



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Series: Sound Design

A comprehensive introduction to foundational topics in sound design for interactive media, such as gaming and virtual reality; compositional techniques; new interfaces; sound spatialization; sonic cues and semiotics; performance and installations; music on the web; augmented reality applications; and sound producing software design. The reader will gain a broad understanding of the key concepts and practices that define sound design for its use in computational media and design. Designed as a textbook for students and teachers, as a handbook for researchers in sound, design and media, and as a survey of key trends and ideas.

Routledge
June 2019 : 388pp
Pb: 978-1-138-09394-2 : **£47.99**
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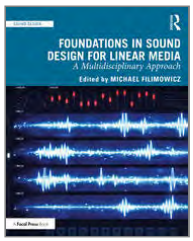
Foundations in Sound Design for Linear Media

A Multidisciplinary Approach



Edited by **Michael Filimowicz** Simon Fraser University, Canada

Series: Sound Design

A comprehensive introduction to foundational topics in sound design for linear media, such as listening and recording; audio postproduction; key musical concepts and forms such as harmony, conceptual sound design, electronica, soundscape, and electroacoustic composition; the audio commons; and sound's ontology and phenomenology. The reader will gain a broad understanding of the key concepts and practices that define sound design for its use with moving images as well as important forms of composed sound. Designed as a textbook for students and teachers, as a handbook for researchers in sound, media and experience, and as a survey of key trends and ideas.

Routledge
June 2019 : 436pp
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2ND EDITION

Designing Audio Effect Plugins in C++

For AAX, AU, and VST3 with DSP Theory

Will Pirkle Assistant Professor of Music Engineering Technology, Frost School of Music, University of Miami.

This book presents everything you need to know about digital signal processing in an accessible way. It includes fully worked, downloadable code for dozens of professional audio effect plug-ins and practically presented algorithms. Sections include the basics of audio signal processing, the anatomy of a plugin, implementation details, and finally actual projects and code, plus how to use MIDI for controlling your audio plugin. It will have you moving quickly through algorithms on filtering, delay, reverb, modulated effects, dynamics processing, and more. This new edition is fully updated and presents a plugin core that allows readers to move freely between APIs and platforms.

Routledge
May 2019 : 704pp
Pb: 978-1-138-59193-6 : **£59.99**
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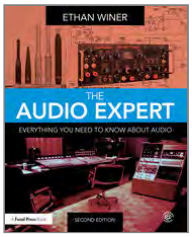
2ND EDITION

The Audio Expert

Everything You Need to Know About Audio



Ethan Winer Co-owner, RealTraps, USA

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Designing Audio Power Amplifiers

Bob Cordell

This book presents a comprehensive, in-depth overview of designing power audio amplifiers in a way that is accessible to beginning students as well as professionals. The book takes the reader from the basics of amplifier design through building block circuits and ends with class D amplifiers. This second edition is fully updated with critical new chapters on noise in theory and technical application, complications of output stages, a high performance amplifier example, switching power supplies, and professional power amplifiers.

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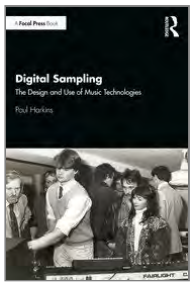
Digital Sampling

The Design and Use of Music Technologies



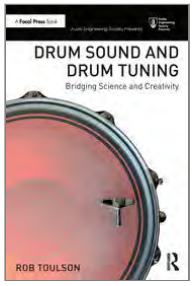
Paul Harkins

Digital Sampling is the first book about the design and use of sampling technologies that have shaped the sounds of popular music since the 1980s. The book begins with an exploration of the Fairlight CMI and focuses on E-Mu Systems and the use of its keyboards and drum machines in hip-hop. The second half follows users across a range of musical worlds, including US/UK garage, indie folk music, and electronic music made in sewers, war zones, and crematoriums. A new and alternative approach to the study of sampling and crucial reading for students and academics from a wide range of disciplines, including music technology, media, communication, and cultural studies.

Routledge
August 2019 : 208pp
Pb: 978-0-815-38164-8 : **£37.99**
Hb: 978-1-138-57751-0 : **£135**
eBook: 978-1-351-20996-0
* For **full contents** and more information, visit: **www.routledge.com/9780815381648**

Drum Sound and Drum Tuning

Bridging Science and Creativity



Rob Toulson Anglia Ruskin University

Series: Audio Engineering Society Presents

Drum Sound and Drum Tuning includes many practical hands-on exercises that incorporate example tutorials with Logic Pro X and iDrumTune Pro software, encouraging the reader to put theory into immediate creative practice, and to develop their own listening skills in an informed and reflective manner. The book also documents primary interviews and opinion from some of the World's most celebrated drummers, music producers and sound engineers, enabling the reader to connect the discussed theory with real world context, whilst refining their own personalised approach to optimised drum sound.

Focal Press
May 2021 : 228pp
Pb: 978-0-367-61118-7 : **£33.99**
Hb: 978-0-367-61119-4 : **£140**
eBook: 978-1-003-10420-9
* For **full contents** and more information, visit: **www.routledge.com/9780367611187**

Innovation in Music

Performance, Production, Technology, and Business

Edited by **Russ Hepworth-Sawyer** York St John University, UK**, Jay Hodgson** Professor at Western University, Ontario, Canada**., Justin Paterson , Rob Toulson** Anglia Ruskin University

Series: Perspectives on Music Production

This exciting handbook includes cutting-edge articles on a range of topics, presented under the main themes of artistry, technology, production, and industry. Each chapter is written by a leader in the field and contains insights and discoveries not yet shared. The book covers new developments in standard practice of sound design, engineering, and acoustics. It also reaches into areas of innovation, both in technology and business practice, even into cross-discipline areas.

Routledge
July 2019 : 544pp
Pb: 978-1-138-49819-8 : **£58.99**
Hb: 978-1-138-49821-1 : **£135**
eBook: 978-1-351-01671-1
* For **full contents** and more information, visit: **www.routledge.com/9781138498198**

Innovation in Music: Technology and Creativity

Edited by **Jan-Olof Gullö , Russ Hepworth-Sawyer** York St John University, UK**, Justin Paterson , Rob Toulson , Mark Marrington** York St John University, UK

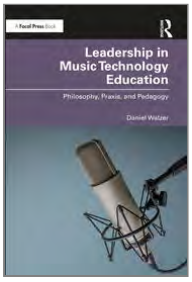
Series: Perspectives on Music Production

Innovation in Music: Technology and Creativity is a groundbreaking collection, bringing together contributions from instructors, researchers and professionals. Including chapters on audience interaction, dynamic music methods, AI and live electronics performances, this is recommended reading for professionals, students and researchers looking for global insights into the fields of music production, music business and music technology.

Focal Press
March 2024 : 354pp
Pb: 978-0-367-63336-3 : **£56.99**
Hb: 978-0-367-63337-0 : **£145**
eBook: 978-1-003-11881-7
* For **full contents** and more information, visit: **www.routledge.com/9780367633363**

Leadership in Music Technology Education

Philosophy, Praxis, and Pedagogy



Daniel Walzer

Leadership in Music Technology Education examines the pedagogical, socio-cultural, and philosophical issues that affect curriculum, research, and decision-making in music technology in higher education. This book is crucial reading for instructors teaching audio engineering and music technology, as well as researchers in education, music pedagogy and related fields. This is also a valuable read for anyone with an interest in music technology and its many potentialities.

Focal Press
October 2023 : 208pp
Pb: 978-0-367-71535-9 : **£38.99**
Hb: 978-0-367-71537-3 : **£145**
eBook: 978-1-003-15246-0
* For **full contents** and more information, visit: **www.routledge.com/9780367715359**

2ND EDITION

Modern MIDI

Sequencing and Performing Using Traditional and Mobile Tools

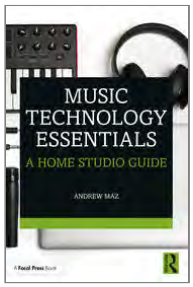
Sam McGuire University of Colorado, Denver, CO; Appalachian State University, Boone, NC.

Modern MIDI equips you with everything you need to use MIDI in your music productions. With a particular focus on practical application and step-by-step explanations, this book does far more than tell you about how MIDI works. Simple explanations and real-world scenarios encourage you to test out the techniques for yourself. The second edition builds on the first, making sequencing approachable for absolute beginners, reinforcing the fundamentals of MIDI and expanding the coverage into new mobile technology and vintage gear. Essential reading for beginners from all backgrounds, including students, professionals and experienced users looking to develop their existing setups.

Routledge
August 2019 : 442pp
Pb: 978-1-138-57877-7 : **£45.99**
Hb: 978-1-138-57874-6 : **£155**
eBook: 978-1-351-26384-9
* For **full contents** and more information, visit: **www.routledge.com/9781138578777**

Music Technology Essentials

A Home Studio Guide



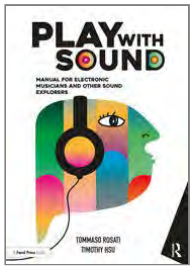
Andrew Maz

Music Technology Essentials provides an overview of the vocabulary, techniques, concepts, and devices used in contemporary music production, and guides readers through the essential fundamentals of music technology so that they can create their own music productions at home. This is the ideal textbook for beginners inside and outside of the classroom, including those on music and music production courses, who wish to enter the world of music technology but are unsure where to start or what to purchase.

Focal Press
September 2023 : 230pp
Pb: 978-1-032-38454-2 : **£38.99**
Hb: 978-1-032-38457-3 : **£135**
eBook: 978-1-003-34513-8
* For **full contents** and more information, visit: **www.routledge.com/9781032384542**

Play with Sound

Manual for Electronic Musicians and Other Sound Explorers



Tommaso Rosati , Timothy Hsu

Play with Sound: Manual for Electronic Musicians and Other Sound Explorers offers a thorough introduction to music technology by centering on curiosity and creativity in the exploration of the fundamentals of sound. This is an ideal textbook for beginners of all backgrounds looking for an introduction to music technology, production, and live electronics. By engaging with this book, everyone, including traditional students as well as those learning outside the traditional classroom setting, will be able to expand their musical skills and professional opportunities into the world of music technology.

Focal Press
January 2025 : 208pp
Pb: 978-1-032-79682-6 : **£39.99**
Hb: 978-1-032-79683-3 : **£145**
eBook: 978-1-003-49337-2
* For **full contents** and more information, visit: **www.routledge.com/9781032796826**

4TH EDITION

The MIDI Manual

A Practical Guide to MIDI within Modern Music Production

David Miles Huber Freelance Recording Engineer; Consultant; Contributor, EQ magazine, Seattle, WA, USA

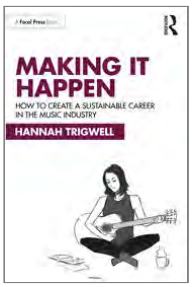
Series: Audio Engineering Society Presents

The MIDI Manual: A Practical Guide to MIDI within Modern Music Production is a complete reference on MIDI. Written by David Miles Huber (a 4X Grammy-nominated musician, producer and author), this best-selling guide provides a clear explanation of what MIDI 1.0 and 2.0 is, acting as a guide for electronic instruments, the DAW, MIDI sequencing and how to make best use of them. You will learn how to set up an efficient MIDI system and how to get the most out of your production room and ultimately … your music. Illustrated throughout with helpful photos and screenshots, this new edition is the most readable and clearly explained book on MIDI available.

Routledge
October 2020 : 290pp
Pb: 978-0-367-54998-5 : **£32.99**
Hb: 978-0-367-54997-8 : **£135**
eBook: 978-1-315-67083-6
* For **full contents** and more information, visit: **www.routledge.com/9780367549985**

Making It Happen

How to Create a Sustainable Career in the Music Industry



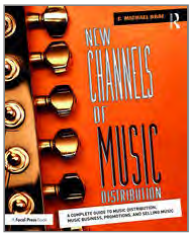
Hannah Trigwell

Making It Happen is a comprehensive guide to navigating the modern music industry, that redefines what 'Making It' means for musicians in the modern music industry, and inspires and educates musicians on the different options for generating revenue from their art. This book offers unique insights into the innovations and technologies available to contemporary music makers, making it essential reading for independent musicians, music business students, music producers and marketers.

Focal Press
November 2023 : 282pp
Pb: 978-1-032-15588-3 : **£35.99**
Hb: 978-1-032-15590-6 : **£135**
eBook: 978-1-003-24484-4
* For **full contents** and more information, visit: **www.routledge.com/9781032155883**

New Channels of Music Distribution

Understanding the Distribution Process, Platforms and Alternative Strategies



C. Michael Brae

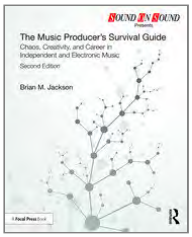
With an example-driven, hands-on approach, New Channels of Music Distribution offers a practical, comprehensive study of the music industry's evolving distribution system. While paying careful attention to the variables that impact success, the book examines the functionality and components of music distribution, as well as the music industry as a whole while providing insightful strategies for executing marketing, radio, retail campaigns, and much more. Author C. Michael Brae introduces specific methods and strategies for distributing music through out every platform possible through case studies and discussions that help you increase an effective "sell-through" on your music.

Routledge
August 2017 : 188pp
Pb: 978-1-138-12418-9 : **£35.99**
Hb: 978-1-138-12419-6 : **£135**
eBook: 978-1-315-64834-7
* For **full contents** and more information, visit: **www.routledge.com/9781138124189**

2ND EDITION

The Music Producer's Survival Guide

Chaos, Creativity, and Career in Independent and Electronic Music



Brian M. Jackson

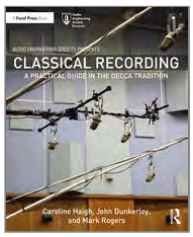
Series: Sound On Sound Presents...

Spanning topics of music technology, production, career planning, and more, this book will help music producers at every level integrate creative passion, lifestyle, and technical know-how. The new edition includes industry and technological updates, as well as adding in extra useful tools for classroom use. The book includes extensive interviews with fascinating industry personalities.

Routledge
March 2018 : 500pp
Pb: 978-1-138-69785-0 : **£49.99**
Hb: 978-0-415-79095-6 : **£175**
eBook: 978-1-315-51977-7
* For **full contents** and more information, visit: **www.routledge.com/9781138697850**

Classical Recording

A Practical Guide in the Decca Tradition



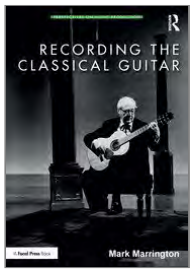
Caroline Haigh , John Dunkerley , Mark Rogers , Caroline Haigh , John Dunkerley , Mark Rogers

Series: Audio Engineering Society Presents

Classical Recording is the authoritative guide to all aspects of recording acoustic classical music. Offering detailed descriptions, diagrams and photographs of fundamental recording techniques such as the Decca tree, this book offers a comprehensive overview of the essential skills involved in successfully producing a classical recording. Written by engineers with years of experience working for Decca, Abbey Road Studios and as freelancers, the book equips the student, the interested amateur and the practising professional with the required knowledge and confidence to tackle everything from solo piano to opera.

Focal Press
October 2020 : 410pp
Pb: 978-0-367-31280-0 : **£39.99**
Hb: 978-0-367-32133-8 : **£135**
eBook: 978-0-429-31685-2
* For **full contents** and more information, visit: **www.routledge.com/9780367312800**

Recording the Classical Guitar



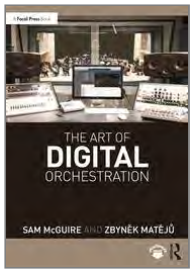
Mark Marrington York St John University, UK

Series: Perspectives on Music Production

This book explores the ways in which recording technologies and studio production techniques have shaped the performance aesthetics, repertoire, and sound of the classical guitar over the last century. Covering not just the full context of music theory, the book places the history of classical guitar into a technological context, tracing its evolution from the early days into the digital era. Many of the instrument's key performance personalities are referenced as well as the strategies of leading recording engineers. The book is accompanied by a companion website that offers engaging musical excerpts that will demonstrate concepts in the book.

Routledge
March 2021 : 444pp
Pb: 978-1-138-55470-2 : **£43.99**
Hb: 978-1-138-55468-9 : **£135**
eBook: 978-1-315-14913-4
* For **full contents** and more information, visit: **www.routledge.com/9781138554702**

The Art of Digital Orchestration



Sam McGuire University of Colorado, Denver, CO; Appalachian State University, Boone, NC.**, Zbyněk Matějů**

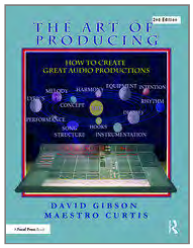
The Art of Digital Orchestration explores how to replicate traditional orchestration techniques using computer technology, with a focus on respecting the music and understanding when using real performers is still the best choice. The book takes readers through the entire orchestration process, from composition to instruments, performance tools, MIDI, mixing, and arranging. An excellent resource for anyone using software to write or compose music, The Art of Digital Orchestration includes access to online videos featuring orchestration techniques, MIDI features, and instrument demonstrations.

Focal Press
December 2020 : 280pp
Pb: 978-0-367-36274-4 : **£43.99**
Hb: 978-0-367-36275-1 : **£135**
eBook: 978-0-429-34501-2
* For **full contents** and more information, visit: **www.routledge.com/9780367362744**

2ND EDITION

The Art of Producing

How to Create Great Audio Projects



David Gibson , Maestro Curtis

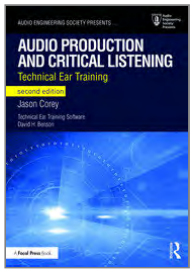
This book tells you everything you need to know about becoming a producer. It explains the role of the producer across executive, musical, and engineering job types so you know what to expect, and it also covers how to sell yourself as a producer within different working environments. The book includes a nuts-and-bolts guide to analysing music from the pre-production standpoint including a special emphasis on the creative process, as well as explaining in technical detail what happens once the music hits the studio. This book also covers essentials like finance and copyright. Written in a fun and accessible way, the text includes lots of visuals and checklists to aid the reader.

Routledge
February 2019 : 254pp
Pb: 978-0-815-36938-7 : **£39.99**
Hb: 978-0-815-36939-4 : **£135**
eBook: 978-1-351-25246-1
* For **full contents** and more information, visit: **www.routledge.com/9780815369387**

2ND EDITION

Audio Production and Critical Listening

Technical Ear Training



Jason Corey

Series: Audio Engineering Society Presents

Audio Production and Critical Listening: Technical Ear Training, Second Edition develops your critical and expert listening skills, enabling you to listen to audio like an award-winning engineer. With an accessible writing style, Jason Corey instills information on objective measurements of sound, technical descriptions of signal processing, and their relationships to subjective impressions of sound. The interactive web browser-based "ear training" software practice modules provide experience identifying various types of signal processes and manipulations. This software completes the learning package that will help you train you ears to listen and really "hear" your recordings.

Routledge
September 2016 : 174pp
Pb: 978-1-138-84594-7 : **£65.99**
Hb: 978-1-138-20142-2 : **£160**
eBook: 978-1-315-72781-3
* For **full contents** and more information, visit: **www.routledge.com/9781138845947**

2ND EDITION

Designing Audio Effect Plugins in C++

For AAX, AU, and VST3 with DSP Theory

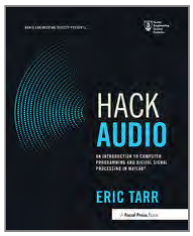
Will Pirkle Assistant Professor of Music Engineering Technology, Frost School of Music, University of Miami.

This book presents everything you need to know about digital signal processing in an accessible way. It includes fully worked, downloadable code for dozens of professional audio effect plug-ins and practically presented algorithms. Sections include the basics of audio signal processing, the anatomy of a plugin, implementation details, and finally actual projects and code, plus how to use MIDI for controlling your audio plugin. It will have you moving quickly through algorithms on filtering, delay, reverb, modulated effects, dynamics processing, and more. This new edition is fully updated and presents a plugin core that allows readers to move freely between APIs and platforms.

Routledge
May 2019 : 704pp
Pb: 978-1-138-59193-6 : **£59.99**
Hb: 978-1-138-59189-9 : **£185**
eBook: 978-0-429-49024-8
* For **full contents** and more information, visit: **www.routledge.com/9781138591936**

Hack Audio

An Introduction to Computer Programming and Digital Signal Processing in MATLAB



Eric Tarr

Series: Audio Engineering Society Presents

Geared towards audio engineers, this book provides an introduction to computer programming and digital signal processing. Topics are presented so that readers with little or no background can follow along and benefit. Based in MATLAB, the book presents how many audio effects are created digitally, and then demonstrates using clear computer code. Readers will learn to analyse, synthesize, and process a variety of signals. The author provides an accompanying online platform with helpful computer code, musical examples, and video tutorials.

Routledge
July 2018 : 492pp
Pb: 978-1-138-49755-9 : **£61.99**
Hb: 978-1-138-49754-2 : **£180**
eBook: 978-1-351-01846-3
* For **full contents** and more information, visit: **www.routledge.com/9781138497559**

The Python Audio Cookbook

Recipes for Audio Scripting with Python

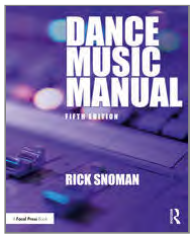
Alexandros Drymonitis

The Python Audio Cookbook offers an introduction to Python for sound and multimedia applications, with chapters that cover writing your first Python programs, controlling Pyo with physical computing, and writing your own GUI, among many others. This book is an essential introductory guide to Python for sound and multimedia practitioners, as well as programmers interested in audio applications.

Focal Press
December 2023 : 318pp
Pb: 978-1-032-48011-4 : **£33.99**
Hb: 978-1-032-48014-5 : **£140**
eBook: 978-1-003-38696-4
* For **full contents** and more information, visit: **www.routledge.com/9781032480114**

5TH EDITION

Dance Music Manual



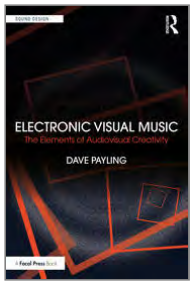
Rick Snoman

Dance Music Manual - a comprehensive guidebook for novice and seasoned professionals alike - walks readers through the tools and techniques required to create original, captivating, and professional-sounding electronic dance music. Used by professionals worldwide, this updated fifth edition has been significantly rewritten and includes new content on building your studio, processing, sampling, sound design, and a chapter on DJ techniques. The book is also supported by a companion website, providing audio and video examples of the techniques to accompany the book.

Focal Press
September 2024 : 514pp
Pb: 978-1-032-64678-7 : **£41.99**
Hb: 978-1-032-64685-5 : **£150**
eBook: 978-1-032-64684-8
* For **full contents** and more information, visit: **www.routledge.com/9781032646787**

Electronic Visual Music

The Elements of Audiovisual Creativity



Dave Payling

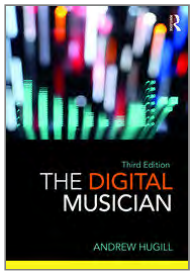
Series: Sound Design

Electronic Visual Music is a comprehensive guide to the composition and performance of visual music, and an essential text for those wanting to explore the history, performance strategies, compositional methodologies and practical techniques for conceiving and creating electronic visual music. This book is a valuable resource for artists and practitioners, as well as students and researchers working in disciplines such as music composition, music production, video arts, animation and related media arts, who are interested in informing their own work and learning new strategies and techniques for exploration and creative expression of electronic visual music.

Focal Press
September 2023 : 164pp
Pb: 978-1-032-32663-4 : **£32.99**
Hb: 978-1-032-32671-9 : **£135**
eBook: 978-1-003-31613-8
* For **full contents** and more information, visit: **www.routledge.com/9781032326634**

3RD EDITION

The Digital Musician



Andrew Hugill Bath Spa University, UK

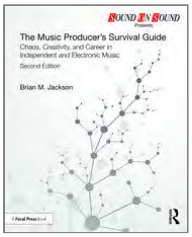
The Digital Musician, Third Edition is an introductory textbook for creative music technology and electronic music courses. Written to be accessible to students from any musical background, this book examines cultural awareness, artistic identity and musical skills, offering a system-agnostic survey of digital music creation. Each chapter presents creative projects that reinforce concepts, as well as case studies of real musicians and discussion questions for further reflection. With an emphasis on discovering one's musical voice and identity, and tools and ideas that are relevant in any musical situation, The Digital Musician is sure to be an invaluable student resource for years to come.

Routledge
August 2018 : 348pp
Pb: 978-1-138-56962-1 : **£54.99**
Hb: 978-1-138-56961-4 : **£135**
eBook: 978-0-203-70421-9
* For **full contents** and more information, visit: **www.routledge.com/9781138569621**

2ND EDITION

The Music Producer's Survival Guide

Chaos, Creativity, and Career in Independent and Electronic Music



Brian M. Jackson

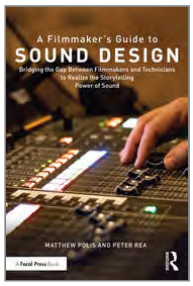
Series: Sound On Sound Presents...

Spanning topics of music technology, production, career planning, and more, this book will help music producers at every level integrate creative passion, lifestyle, and technical know-how. The new edition includes industry and technological updates, as well as adding in extra useful tools for classroom use. The book includes extensive interviews with fascinating industry personalities.

Routledge
March 2018 : 500pp
Pb: 978-1-138-69785-0 : **£49.99**
Hb: 978-0-415-79095-6 : **£175**
eBook: 978-1-315-51977-7
* For **full contents** and more information, visit: **www.routledge.com/9781138697850**

A Filmmaker's Guide to Sound Design

Bridging the Gap Between Filmmakers and Technicians to Realize the Storytelling Power of Sound



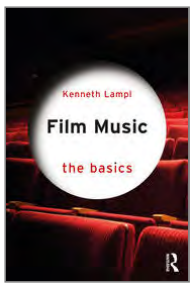
Matthew Polis SoundSpace Studio, USA**, Peter Rea** Film & Television Department, New York University

This illuminating, engaging book offers an introduction to the art of sound design and postproduction audio, written especially for directors, producers, sound designers, and teachers without a technical background in sound. Balancing practical, experienced-based insight, numerous examples, and unique concepts like storyboarding for sound, A Filmmaker's Guide to Sound Design arms students, filmmakers, and educators with the knowledge to creatively and confidently navigate their film through the post audio process.

Routledge
September 2023 : 186pp
Pb: 978-0-367-24991-5 : **£34.99**
Hb: 978-0-367-24990-8 : **£145**
eBook: 978-0-429-28538-7
* For **full contents** and more information, visit: **www.routledge.com/9780367249915**

Film Music

The Basics



Kenneth Lampl Australian National University, Australia

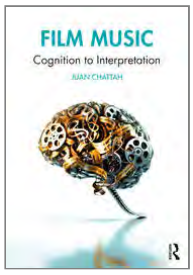
Series: The Basics

A comprehensive introduction to film music, this book provides a concise and illuminating summary of the process of film scoring, as well as a succinct overview of the rich history of contemporary film music. Written in a non-technical style, this book begins by presenting a brief history of film music from the last 30 years, covering topics ranging from blockbuster franchises to indie film scores. Complete with a glossary of key terms and further reading, this book is an invaluable resource for all those beginning to study film music, as well as lifelong film music buffs seeking to update their understanding of film music.

Routledge
October 2023 : 156pp
Pb: 978-1-032-26745-6 : **£19.99**
Hb: 978-1-032-26746-3 : **£130**
eBook: 978-1-003-28972-2
* For **full contents** and more information, visit: **www.routledge.com/9781032267456**

Film Music

Cognition to Interpretation



Juan Chattah University of Miami, USA

Film Music: Cognition to Interpretation explores the dynamic counterpoint between a film's soundtrack, its visuals and narrative, and the audience's perception and construction of meaning. Adopting a holistic approach covering both the humanities and the sciences, the author examines the perceptual and cognitive processes that elicit musical meaning in film and breathe life into our cinematic experiences. Across ten chapters, extensive appendices, and hundreds of film references, this book offers a new mode of analysis, inviting readers to unlock a deeper understanding of the expressive power of film music.

Routledge
December 2023 : 260pp
Pb: 978-1-138-58671-0 : **£37.99**
Hb: 978-1-138-58670-3 : **£135**
eBook: 978-0-429-50445-7
* For **full contents** and more information, visit: **www.routledge.com/9781138586710**

Art of Sound

Creativity in Film Sound and Electroacoustic Music

Andrew Knight-Hill , Emma Margetson

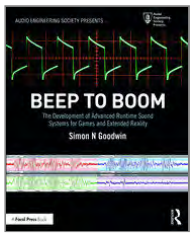
Series: Sound Design

Bringing together a diverse group of world-leading professionals across post-production film sound and electroacoustic music, Art of Sound explores the creative principles that underpin how sonic practitioners act to compose, tell stories, make us feel and communicate via sound. Art of Sound provides insight into the latest developments and approaches to sound and image practice for composers, filmmakers, directors, scholars, producers, sound designers sound editors, sound mixers, and students who are interested in understanding the creative potential of sound.

Focal Press
December 2023 : 250pp
Pb: 978-0-367-75588-1 : **£43.99**
Hb: 978-0-367-75589-8 : **£150**
eBook: 978-1-003-16307-7
* For **full contents** and more information, visit: **www.routledge.com/9780367755881**

Beep to Boom

The Development of Advanced Runtime Sound Systems for Games and Extended Reality



Simon Goodwin

Series: Audio Engineering Society Presents

Written by an expert, this book is a rigorous, comprehensive guide to interactive audio runtime systems. Packed with practical examples and insights, the book explains each component of these complex geometries of sound. Using practical, lowest-common-denominator techniques, it covers soundfield creation across a range of platforms from phones through to VR gaming consoles. Whether creating an audio system from scratch or building on existing frameworks, the book also explains costs, benefits, and priorities. Interactive audio in the dynamic simulated world of games is becoming almost as complicated as the real world of sound. This book will explain how and why to tame it enjoyably.

Routledge
February 2019 : 294pp
Pb: 978-1-138-54390-4 : **£61.99**
Hb: 978-1-138-54391-1 : **£165**
eBook: 978-1-351-00554-8
* For **full contents** and more information, visit: **www.routledge.com/9781138543904**

Foundations in Sound Design for Interactive Media

A Multidisciplinary Approach

Edited by **Michael Filimowicz** Simon Fraser University, Canada

Series: Sound Design

A comprehensive introduction to foundational topics in sound design for interactive media, such as gaming and virtual reality; compositional techniques; new interfaces; sound spatialization; sonic cues and semiotics; performance and installations; music on the web; augmented reality applications; and sound producing software design. The reader will gain a broad understanding of the key concepts and practices that define sound design for its use in computational media and design. Designed as a textbook for students and teachers, as a handbook for researchers in sound, design and media, and as a survey of key trends and ideas.

Routledge
June 2019 : 388pp
Pb: 978-1-138-09394-2 : **£47.99**
Hb: 978-1-138-09393-5 : **£135**
eBook: 978-1-315-10634-2
* For **full contents** and more information, visit: **www.routledge.com/9781138093942**

Game Audio Mixing

Insights to Improve Your Mixing Performance

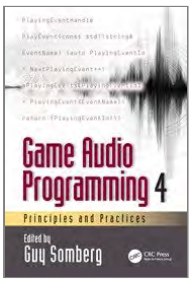
Alex Riviere

Game Audio Mixing offers a holistic view of the mixing process for games, from philosophical and psychological considerations to the artistic considerations and technical processes behind acoustic rendering, interactive mixing, mastering, and much more. Providing a comprehensive overview of many game audio mix techniques, processes, and workflows, with advice from Audio Directors and Sound Supervisors, this book is essential reading for all game audio professionals, including those new to the industry, as well as experienced professionals working on AAA and indie titles, in addition to aspiring professionals and hobbyists.

Focal Press
July 2023 : 166pp
Pb: 978-1-032-39735-1 : **£33.99**
Hb: 978-1-032-39738-2 : **£140**
eBook: 978-1-003-35114-6
* For **full contents** and more information, visit: **www.routledge.com/9781032397351**

Game Audio Programming 4

Principles and Practices



Edited by **Guy Somberg**

Welcome to the fourth volume of Game Audio Programming: Principles and Practices—the first series of its kind dedicated to the art, science, and craft of game audio programming. This volume contains 17 chapters from some of the top game audio programmers in the industry, and dives into subjects that apply to diverse game genres and from low-level topics such as thread-safe command buffers and pitch detection to high-level topics such as object management, music systems, and audio tools.

CRC Press
December 2023 : 356pp
Pb: 978-1-032-36107-9 : **£42.99**
Hb: 978-1-032-36239-7 : **£120**
eBook: 978-1-003-33093-6
* For **full contents** and more information, visit: **www.routledge.com/9781032361079**

Game Audio with FMOD and Unity

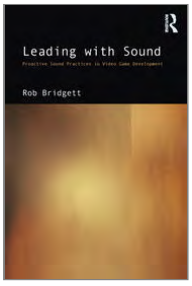
Ciarán Robinson

This book introduces readers to the principles and practice of game audio through the process of creating their own First Person Shooter (FPS) game. All the basics are covered, as well as a simple introduction to coding. Using the free software Unity and FMOD audio middleware, the reader will be able to create a game of their own and develop a portfolio that demonstrates their capacities in interactive sound design. Perfect for classroom use or independent study, this book also comes with a full suite of audio assets provided on a companion website.

Routledge
March 2019 : 278pp
Pb: 978-1-138-31597-6 : **£49.99**
Hb: 978-1-138-31596-9 : **£175**
eBook: 978-0-429-45597-1
* For **full contents** and more information, visit: **www.routledge.com/9781138315976**

Leading with Sound

Proactive Sound Practices in Video Game Development



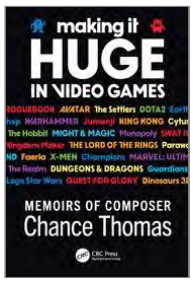
Rob Bridgett

Leading with Sound is the must-have companion guide to working on video game projects. Sound can be a powerful advance guard for any production, acting first as radar, then as a beacon, illuminating the project in the collective imagination of the team. It is the goal of this book to do the same thing for the reader. Leading with Sound is essential reading for both aspiring sound designers, inside and outside of the classroom, as well as experienced professionals in the game industry.

Focal Press
May 2021 : 234pp
Pb: 978-0-367-53587-2 : **£33.99**
Hb: 978-0-367-53590-2 : **£140**
eBook: 978-1-003-08252-1
* For **full contents** and more information, visit: **www.routledge.com/9780367535872**

Making it HUGE in Video Games

Memoirs of Composer Chance Thomas



Chance Thomas

Making it HUGE in Video Games recounts the astonishing journey of an unassuming, middle of the Bell Curve young man, rising from mundane beginnings to scale the dizzying heights of artistic distinction and financial success in the worldwide video game industry.

CRC Press
October 2023 : 338pp
Pb: 978-1-032-02260-4 : **£31.99**
Hb: 978-1-032-05814-6 : **£81.99**
eBook: 978-1-003-19931-1
* For **full contents** and more information, visit: **www.routledge.com/9781032022604**

Principles of Game Audio and Sound Design

Sound Design and Audio Implementation for Interactive and Immersive Media

Jean-Luc Sinclair New York University, Berklee College of Music

A comprehensive introduction to the art of sound for games and interactive media using Unity. Beginning with basic techniques, including linear and interactive sound design, before moving on to advanced techniques, such as procedural audio, this book is supplemented by a host of digital resources, including a library of ready-to-use, adaptable scripts. This thorough introduction provides the reader with the skills and tools to combat the potential challenges of game audio independently. The perfect primer for readers with a basic understanding of audio production and Unity who want to learn how to gain a foothold in the exciting world of game and interactive audio.

Focal Press
April 2020 : 312pp
Pb: 978-1-138-73897-3 : **£36.99**
Hb: 978-1-138-73896-6 : **£140**
eBook: 978-1-315-18443-2
* For **full contents** and more information, visit: **www.routledge.com/9781138738973**

The Game Audio Strategy Guide

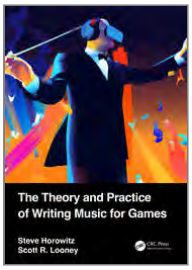
A Practical Course

Gina Zdanowicz , Spencer Bambrick

The Game Audio Strategy Guide is a comprehensive text designed to turn both novices and experienced audio designers into technical game audio pros. Providing both a theoretical foundation and practical insights, The Game Audio Strategy Guide offers a thorough look at the tools and methods needed to create industry-quality music and sound design for games. Supported by an extensive companion website, featuring numerous practical tutorials and exercises, which allow the reader to gain hands-on experience creating and implementing audio assets for games. This is the essential manual for anyone interested in creating audio for games, inside or outside the classroom.

Focal Press
December 2019 : 416pp
Pb: 978-1-138-49834-1 : **£69.99**
Hb: 978-1-138-49833-4 : **£200**
eBook: 978-1-351-01643-8
* For **full contents** and more information, visit: **www.routledge.com/9781138498341**

The Theory and Practice of Writing Music for Games



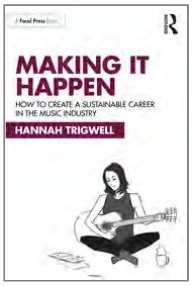
Steve Horowitz , Scott Looney Game audio and game scoring instructor at Pyramind Training and part-time faculty at Academy of Art University

Based on years of working in the field, as well as teaching the subject at colleges and universities, The Theory and Practice of Writing Music for Games is an invaluable resource for those looking for a classroom tested, directed course of study. Each chapter builds on the next and guides the reader step by step through the essentials. Along with all the theory, a multitude of clearly defined hands-on projects and exercises are included, designed to prepare the reader to go out into the field with a complete understanding of the art and craft of music composition for games and visual media.

CRC Press
January 2024 : 244pp
Pb: 978-1-032-53863-1 : **£63.99**
Hb: 978-1-032-54008-5 : **£165**
eBook: 978-1-003-41472-8
* For **full contents** and more information, visit: **www.routledge.com/9781032538631**

Making It Happen

How to Create a Sustainable Career in the Music Industry



Hannah Trigwell

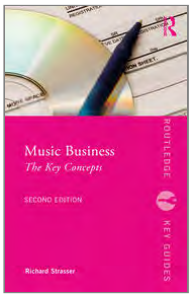
Making It Happen is a comprehensive guide to navigating the modern music industry, that redefines what 'Making It' means for musicians in the modern music industry, and inspires and educates musicians on the different options for generating revenue from their art. This book offers unique insights into the innovations and technologies available to contemporary music makers, making it essential reading for independent musicians, music business students, music producers and marketers.

Focal Press
November 2023 : 282pp
Pb: 978-1-032-15588-3 : **£35.99**
Hb: 978-1-032-15590-6 : **£135**
eBook: 978-1-003-24484-4
* For **full contents** and more information, visit: **www.routledge.com/9781032155883**

2ND EDITION

Music Business

The Key Concepts



Richard Strasser Northeastern University, USA

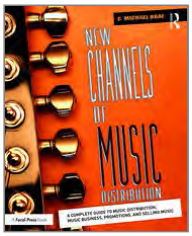
Series: Routledge Key Guides

Music Business: The Key Concepts, second edition, is a comprehensive guide to the terminology commonly used in the music business today. This updated second edition responds to the music industry's increasingly digital and ever-evolving environment. In an accessible A-Z format and fully cross-referenced throughout, this book is essential reading for music business students as well as those interested in the music industry.

Routledge
October 2024 : 214pp
Pb: 978-1-032-58447-8 : **£38.99**
Hb: 978-1-032-58446-1 : **£135**
eBook: 978-1-003-45010-8
* For **full contents** and more information, visit: **www.routledge.com/9781032584478**

New Channels of Music Distribution

Understanding the Distribution Process, Platforms and Alternative Strategies



C. Michael Brae

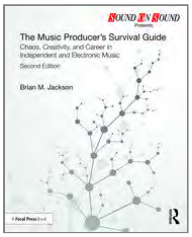
With an example-driven, hands-on approach, New Channels of Music Distribution offers a practical, comprehensive study of the music industry's evolving distribution system. While paying careful attention to the variables that impact success, the book examines the functionality and components of music distribution, as well as the music industry as a whole while providing insightful strategies for executing marketing, radio, retail campaigns, and much more. Author C. Michael Brae introduces specific methods and strategies for distributing music through out every platform possible through case studies and discussions that help you increase an effective "sell-through" on your music.

Routledge
August 2017 : 188pp
Pb: 978-1-138-12418-9 : **£35.99**
Hb: 978-1-138-12419-6 : **£135**
eBook: 978-1-315-64834-7
* For **full contents** and more information, visit: **www.routledge.com/9781138124189**

2ND EDITION

The Music Producer's Survival Guide

Chaos, Creativity, and Career in Independent and Electronic Music



Brian M. Jackson

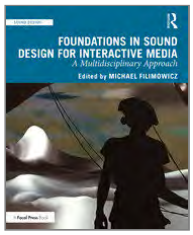
Series: Sound On Sound Presents...

Spanning topics of music technology, production, career planning, and more, this book will help music producers at every level integrate creative passion, lifestyle, and technical know-how. The new edition includes industry and technological updates, as well as adding in extra useful tools for classroom use. The book includes extensive interviews with fascinating industry personalities.

Routledge
March 2018 : 500pp
Pb: 978-1-138-69785-0 : **£49.99**
Hb: 978-0-415-79095-6 : **£175**
eBook: 978-1-315-51977-7
* For **full contents** and more information, visit: **www.routledge.com/9781138697850**

Foundations in Sound Design for Interactive Media

A Multidisciplinary Approach



Edited by **Michael Filimowicz** Simon Fraser University, Canada

Series: Sound Design

A comprehensive introduction to foundational topics in sound design for interactive media, such as gaming and virtual reality; compositional techniques; new interfaces; sound spatialization; sonic cues and semiotics; performance and installations; music on the web; augmented reality applications; and sound producing software design. The reader will gain a broad understanding of the key concepts and practices that define sound design for its use in computational media and design. Designed as a textbook for students and teachers, as a handbook for researchers in sound, design and media, and as a survey of key trends and ideas.

Routledge
June 2019 : 388pp
Pb: 978-1-138-09394-2 : **£47.99**
Hb: 978-1-138-09393-5 : **£135**
eBook: 978-1-315-10634-2
* For **full contents** and more information, visit: **www.routledge.com/9781138093942**

Intelligent Music Production

Brecht De Man , Ryan Stables Digital Media Technology Lab, Birmingham City University**, Joshua D. Reiss** Centre for Digital Music, Queen Mary University of London

Series: Audio Engineering Society Presents

Intelligent Music Production presents the state of the art in approaches, methodologies and systems from the emerging field of automation in music mixing and mastering. Intelligent Music Production is a comprehensive guide, providing an introductory read for beginners, as well as a crucial reference point for experienced researchers, producers, engineers and developers.

Focal Press
October 2019 : 218pp
Pb: 978-1-138-05519-3 : **£43.99**
Hb: 978-1-138-05518-6 : **£135**
eBook: 978-1-315-16610-0
* For **full contents** and more information, visit: **www.routledge.com/9781138055193**

Interactive Sound and Music

Beyond Pressing Play

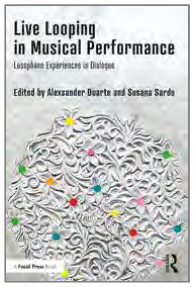
Lucy Ann Harrison

Interactive Sound and Music: Beyond Pressing Play provides an accessible exploration into the aesthetics of interactive audio, using examples from video games, experimental music, and participatory theatre and sound installations. Supported by a series of questions at the end of each chapter that can be used as a focus for seminar or reading group activities, this is an ideal textbook for students on audio engineering, music technology, and game audio courses, as well as an essential guide for anyone interested in interactive sound and music.

Focal Press
December 2024 : 178pp
Pb: 978-1-032-38239-5 : **£35.99**
Hb: 978-1-032-38240-1 : **£135**
eBook: 978-1-003-34414-8
* For **full contents** and more information, visit: **www.routledge.com/9781032382395**

Live Looping in Musical Performance

Lusophone Experiences in Dialogue



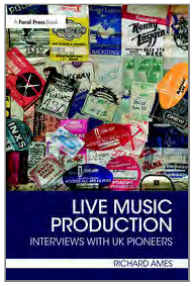
Edited by **Alexsander Duarte , Susana Sardo**

Live Looping in Musical Performance presents a range of interdisciplinary perspectives on the uses of live looping technology by a range of lusophone performers and composers, considering diverse aspects from the aesthetic component to the instrumentation and even setup. Providing cutting-edge reading for composers and performers, as well as ethnomusicologists, students and researchers working in the areas of music production, technology and performance, this book addresses a broader audience, both academic and non-academic, who are interested in new processes of musical creativity in a post-human world.

Focal Press
August 2023 : 192pp
Pb: 978-0-367-72257-9 : **£36.99**
Hb: 978-0-367-72259-3 : **£135**
eBook: 978-1-003-15408-2
* For **full contents** and more information, visit: **www.routledge.com/9780367722579**

Live Music Production

Interviews with UK Pioneers



Richard Ames

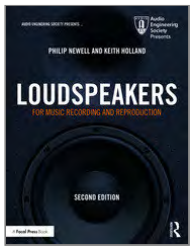
Straight from the mouths of the people who were there, this book chronicles the wild world of live music events in the 70's and 80's. The book includes interviews from UK pioneers from all aspects of live event production, from sound, lighting, stage design, trucking, merchandizing, all the way to catering. These interviews capture the 'road stories' from the professionals who paved the way. Their tried-and-true insights are invaluable to today's crews. This behind-the-scenes book is full of hands-on, practical advice, all packed into some of the most colourful anecdotes. It might be as much fun to read today as it would have been to attend the original events.

Routledge
August 2018 : 374pp
Pb: 978-0-815-37372-8 : **£39.99**
Hb: 978-0-815-37357-5 : **£185**
eBook: 978-1-351-24297-4
* For **full contents** and more information, visit: **www.routledge.com/9780815373728**

2ND EDITION

Loudspeakers

For Music Recording and Reproduction



Philip Newell , Keith Holland

Series: Audio Engineering Society Presents

Loudspeakers: For Music Recording and Reproduction is a practical guide, offering the tools and understanding needed to cut out the guess work of speakers choice and set up. The authors combine their years of experience in the design, application and use of loudspeakers to cover a range of topics from cabinets, crossovers, to frequencies, and surround sound. If you inspire to improve your music preproduction system this book will help you make the right. This new edition provides significant updates on the topics of digital controls, calibrations, amplifiers, and cinema.

Routledge
November 2018 : 520pp
Pb: 978-1-138-55482-5 : **£71.99**
Hb: 978-1-138-55480-1 : **£135**
eBook: 978-1-315-14920-2
* For **full contents** and more information, visit: **www.routledge.com/9781138554825**

2ND EDITION

Modern MIDI

Sequencing and Performing Using Traditional and Mobile Tools

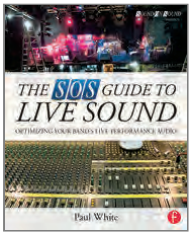
Sam McGuire University of Colorado, Denver, CO; Appalachian State University, Boone, NC.

Modern MIDI equips you with everything you need to use MIDI in your music productions. With a particular focus on practical application and step-by-step explanations, this book does far more than tell you about how MIDI works. Simple explanations and real-world scenarios encourage you to test out the techniques for yourself. The second edition builds on the first, making sequencing approachable for absolute beginners, reinforcing the fundamentals of MIDI and expanding the coverage into new mobile technology and vintage gear. Essential reading for beginners from all backgrounds, including students, professionals and experienced users looking to develop their existing setups.

Routledge
August 2019 : 442pp
Pb: 978-1-138-57877-7 : **£45.99**
Hb: 978-1-138-57874-6 : **£155**
eBook: 978-1-351-26384-9
* For **full contents** and more information, visit: **www.routledge.com/9781138578777**

The SOS Guide to Live Sound

Optimising Your Band's Live-Performance Audio



Paul White Editor in Chief, Sound on Sound magazine, UK

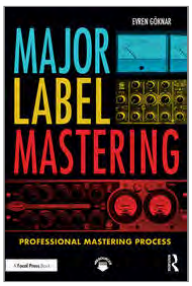
Series: Sound On Sound Presents...

Everyday, thousands of bands and musicians worldwide perform gigs where they are their own sound person. Many of them do it poorly, and the sound suffers. The SOS Guide to Live Sound gives musicians and hobbyist engineers a well of knowledge they can draw from to make any band sound good in a variety of venues. Readers get practical advice that allows them to accomplish their live-sound goals in every performance. They learn to choose, set up, and use sound systems, the basics of mixing live, and how to save money by treating their gear well with a section on maintenance. The real world happens, and therefore readers learn to fix issues as they happen with a thorough problem-solving section.

Routledge
June 2014 : 304pp
Pb: 978-0-415-84303-4 : **£39.99**
Hb: 978-1-138-46886-3 : **£185**
eBook: 978-0-203-75812-0
* For **full contents** and more information, visit: **www.routledge.com/9780415843034**

Major Label Mastering

Professional Mastering Process



Evren Göknar

This book distils twenty-five years of mastering experience at Capitol Records into practical understandings and reliable systems. Containing unparalleled insights, this book reveals the mastering techniques used by Evren Göknar, including the Five Step Mastering Process, a system that equips the practitioner to master a project to exacting standards of audio fidelity. Each chapter ends with exercises intended to deepen understanding or to supplement course study. Suitable for all levels, this is a unique resource for students, artists, and recording and mastering engineers. Supplemented by digital resources including audio examples and video tutorials.

Focal Press
April 2020 : 208pp
Pb: 978-1-138-05858-3 : **£35.99**
Hb: 978-1-138-05857-6 : **£135**
eBook: 978-1-315-16410-6
* For **full contents** and more information, visit: **www.routledge.com/9781138058583**

Mastering in Music

Edited by **John Paul Braddock , Russ Hepworth-Sawyer , Jay Hodgson , Matthew Shelvock , Rob Toulson**

Series: Perspectives on Music Production

Mastering in Music is a cutting-edge edited collection that offers twenty perspectives on the contexts and process of mastering. Including a range of detailed case studies and interviews, Mastering in Music offers a comprehensive overview of the foremost hot topics affecting the industry, making it key reading for students and professionals engaged in music production.

Focal Press
December 2020 : 312pp
Pb: 978-0-367-22719-7 : **£43.99**
Hb: 978-0-367-22731-9 : **£135**
eBook: 978-0-429-27659-0
* For **full contents** and more information, visit: **www.routledge.com/9780367227197**

2ND EDITION

Designing Audio Effect Plugins in C++

For AAX, AU, and VST3 with DSP Theory

Will Pirkle Assistant Professor of Music Engineering Technology, Frost School of Music, University of Miami.

This book presents everything you need to know about digital signal processing in an accessible way. It includes fully worked, downloadable code for dozens of professional audio effect plug-ins and practically presented algorithms. Sections include the basics of audio signal processing, the anatomy of a plugin, implementation details, and finally actual projects and code, plus how to use MIDI for controlling your audio plugin. It will have you moving quickly through algorithms on filtering, delay, reverb, modulated effects, dynamics processing, and more. This new edition is fully updated and presents a plugin core that allows readers to move freely between APIs and platforms.

Routledge
May 2019 : 704pp
Pb: 978-1-138-59193-6 : **£59.99**
Hb: 978-1-138-59189-9 : **£185**
eBook: 978-0-429-49024-8
* For **full contents** and more information, visit: **www.routledge.com/9781138591936**

Developing Virtual Synthesizers with VCV Rack

Leonardo Gabrielli

This book takes the reader step-by-step through the process of developing synthesizer modules. Using the intuitive VCV Rack and its open source C++ API, even the least experienced reader will learn to master efficient DSP coding to create oscillators, filters and complex modules. Covering everything from theory to practice with exercises and example patches in each chapter, the reader will build a library of synthesizer modules to modify and expand. Recommended reading for students of audio engineering, music technology, computer science, electronics, and related courses; audio coding and do-it-yourself enthusiasts; and professionals looking for a quick guide to VCV Rack.

Focal Press
February 2020 : 286pp
Pb: 978-0-367-07773-0 : **£36.99**
Hb: 978-0-367-07774-7 : **£135**
eBook: 978-0-429-02276-0
* For **full contents** and more information, visit: **www.routledge.com/9780367077730**

Digital Audio Theory

A Practical Guide

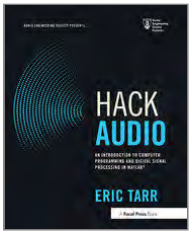
Christopher L. Bennett

Digital Audio Theory: A Practical Guide bridges the fundamental concepts and equations of digital audio with their real-world implementation in an accessible introduction, with dozens of programming examples and projects. Music technologists, recording engineers, and students of these fields will welcome Bennett's approach, which targets readers with a background in music, sound, and recording. This guide is suitable for all levels of knowledge in mathematics, signals and systems, and linear circuits. Code for the programming examples and accompanying videos made by the author can be found on the companion website, DigitalAudioTheory.com.

Focal Press
December 2020 : 254pp
Pb: 978-0-367-27653-9 : **£39.99**
Hb: 978-0-367-27655-3 : **£150**
eBook: 978-0-367-72372-9 : **£39.99**
* For **full contents** and more information, visit: **www.routledge.com/9780367276539**

Hack Audio

An Introduction to Computer Programming and Digital Signal Processing in MATLAB



Eric Tarr

Series: Audio Engineering Society Presents

Geared towards audio engineers, this book provides an introduction to computer programming and digital signal processing. Topics are presented so that readers with little or no background can follow along and benefit. Based in MATLAB, the book presents how many audio effects are created digitally, and then demonstrates using clear computer code. Readers will learn to analyse, synthesize, and process a variety of signals. The author provides an accompanying online platform with helpful computer code, musical examples, and video tutorials.

Routledge
July 2018 : 492pp
Pb: 978-1-138-49755-9 : **£61.99**
Hb: 978-1-138-49754-2 : **£180**
eBook: 978-1-351-01846-3
* For **full contents** and more information, visit: **www.routledge.com/9781138497559**

The Python Audio Cookbook

Recipes for Audio Scripting with Python

Alexandros Drymonitis

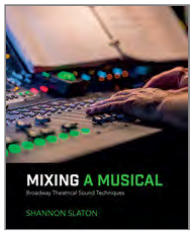
The Python Audio Cookbook offers an introduction to Python for sound and multimedia applications, with chapters that cover writing your first Python programs, controlling Pyo with physical computing, and writing your own GUI, among many others. This book is an essential introductory guide to Python for sound and multimedia practitioners, as well as programmers interested in audio applications.

Focal Press
December 2023 : 318pp
Pb: 978-1-032-48011-4 : **£33.99**
Hb: 978-1-032-48014-5 : **£140**
eBook: 978-1-003-38696-4
* For **full contents** and more information, visit: **www.routledge.com/9781032480114**

2ND EDITION

Mixing a Musical

Broadway Theatrical Sound Techniques



Shannon Slaton

This book pulls the curtain back on one of the least understood careers in live theatre, the role and responsibilities of the sound technician. This comprehensive book encompasses every position from shop crew labor to assistant designer to sound board operator and everything in between. This new edition gives special attention to mixing techniques and practices. And, special features of the book include interviews with some of today's most successful mixers and designers.

Routledge
July 2018 : 318pp
Pb: 978-1-138-49144-1 : **£39.99**
Hb: 978-0-815-36748-2 : **£135**
eBook: 978-1-351-03306-0
* For **full contents** and more information, visit: **www.routledge.com/9781138491441**

2ND EDITION

Mixing Secrets for the Small Studio

Mike Senior

Series: Sound On Sound Presents...

This bestselling book is a self-contained music mixing primer for small studio producers who want to fast-track to release-quality results. Information in this book is based on documented studio techniques from the world's top producers, but the information is adapted to serve low-budget environments. The second edition of this popular book offers fresh coverage of all the technology advances plus copious online audio and video tutorials. The book is ideal for any studio professional or educational program.

Routledge
August 2018 : 444pp
Pb: 978-1-138-55637-9 : **£44.99**
Hb: 978-1-138-55636-2 : **£140**
eBook: 978-1-315-15001-7
* For **full contents** and more information, visit: **www.routledge.com/9781138556379**

Mixing with Impact

Learning to Make Musical Choices

Wessel Oltheten Utrecht University of the Arts, Interface Magazine, Spoor 14 studio

Mixing with Impact, translated from the hit Dutch edition for English language audiences, is the most in-depth book about mixing available. It discusses not only the mindset and creative concepts for the best mix, but covers the tools and techniques needed to realize one's vision. Whether you're a dance producer in a home studio, a live mixer in a club, or an engineer in a big studio, the mindset is largely the same. Each chapter is full of detailed takeaways across a spectrum of topics, but the reader will find a larger inspiration reading all the way through, making the book ideal for individual and classroom use.

Routledge
March 2018 : 364pp
Pb: 978-1-138-08089-8 : **£51.99**
Hb: 978-1-138-08088-1 : **£155**
eBook: 978-1-315-11317-3
* For **full contents** and more information, visit: **www.routledge.com/9781138080898**

3RD EDITION

Music Production

Learn How to Record, Mix, and Master Music

Hans Weekhout

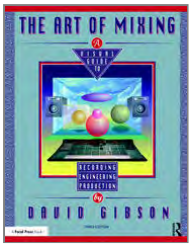
Music Production: Learn How to Record, Mix, and Master Music will teach you how to record, mix, and master music. With accessible language for both beginner and advanced readers, the book contains countless illustrations, includes tips and tricks for all the popular digital audio workstations and provides coverage of common plugins and processors. Also included is a section dedicated to mastering in a home studio. With hundreds of tips and techniques for both the starting and advanced music producer, this is your must-have guide.

Routledge
June 2019 : 394pp
Pb: 978-1-138-62610-2 : **£58.99**
Hb: 978-1-138-62609-6 : **£135**
eBook: 978-0-429-45950-4
* For **full contents** and more information, visit: **www.routledge.com/9781138626102**

3RD EDITION

The Art of Mixing

A Visual Guide to Recording, Engineering, and Production



David Gibson

This popular textbook uses a patented visual framework to explain how to create a great mix. The visuals demonstrate how sound moves through the room between speakers and how it can be manipulated by adjusting the equipment. A full range of technical concepts are covered in an accessible way so that even a beginner can follow; and different musical styles are incorporated into discussions. Once the reader gets the visual framework of the space down, it's easier to gain control of the sound aurally and to make mixes that have real, emotional dynamics. The new edition brings material up-to-date and comes with a 3 hour visual tutorial online.

Routledge
December 2018 : 286pp
Pb: 978-0-815-36949-3 : **£39.99**
Hb: 978-0-815-36947-9 : **£135**
eBook: 978-1-351-25222-5
* For **full contents** and more information, visit: **www.routledge.com/9780815369493**

Digital Sampling

The Design and Use of Music Technologies

Paul Harkins

Digital Sampling is the first book about the design and use of sampling technologies that have shaped the sounds of popular music since the 1980s. The book begins with an exploration of the Fairlight CMI and focuses on E-Mu Systems and the use of its keyboards and drum machines in hip-hop. The second half follows users across a range of musical worlds, including US/UK garage, indie folk music, and electronic music made in sewers, war zones, and crematoriums. A new and alternative approach to the study of sampling and crucial reading for students and academics from a wide range of disciplines, including music technology, media, communication, and cultural studies.

Routledge
August 2019 : 208pp
Pb: 978-0-815-38164-8 : **£37.99**
Hb: 978-1-138-57751-0 : **£135**
eBook: 978-1-351-20996-0
* For **full contents** and more information, visit: **www.routledge.com/9780815381648**

Live Music Production

Interviews with UK Pioneers

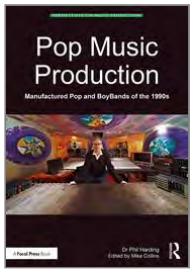
Richard Ames

Straight from the mouths of the people who were there, this book chronicles the wild world of live music events in the 70's and 80's. The book includes interviews from UK pioneers from all aspects of live event production, from sound, lighting, stage design, trucking, merchandizing, all the way to catering. These interviews capture the 'road stories' from the professionals who paved the way. Their tried-and-true insights are invaluable to today's crews. This behind-the-scenes book is full of hands-on, practical advice, all packed into some of the most colourful anecdotes. It might be as much fun to read today as it would have been to attend the original events.

Routledge
August 2018 : 374pp
Pb: 978-0-815-37372-8 : **£39.99**
Hb: 978-0-815-37357-5 : **£185**
eBook: 978-1-351-24297-4
* For **full contents** and more information, visit: **www.routledge.com/9780815373728**

Pop Music Production

Manufactured Pop and BoyBands of the 1990s



Phil Harding , Mike Collins Studio musician, recording engineer, and producer

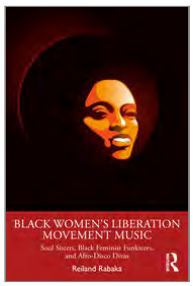
Series: Perspectives on Music Production

This book delves into academic depths around the pop music culture, business, songwriting and production process. It balances autobiographical discussion of events and relationships with cutting-edge analysis to offer poignant points on the value of pure popular music, particularly in relation to BoyBands and how creative pop production and songwriting teams function. Including practical resources such as recording studio equipment lists, producer business deal examples and a 12-step mixing technique and is aimed at lecturers and students of all levels in the fields of Music Production, Audio Engineering, Music Technology, Popular Songwriting Studies and Popular Music Culture.

Routledge
July 2019 : 210pp
Pb: 978-0-815-39281-1 : **£39.99**
Hb: 978-0-815-39280-4 : **£135**
eBook: 978-1-351-18979-8
* For **full contents** and more information, visit: **www.routledge.com/9780815392811**

Black Women's Liberation Movement Music

Soul Sisters, Black Feminist Funksters, and Afro-Disco Divas



Reiland Rabaka

This book argues that the Black Women's Liberation Movement of the mid-to-late 1960s and 1970s was a unique combination of Black political feminism, Black literary feminism, and Black musical feminism, among other forms of Black feminism. It critically explores the ways the soundtracks of this movement often overlapped with those of other 1960s and 1970s social, political, and cultural movements, such as the Black Power Movement, Women's Liberation Movement, and Sexual Revolution. This is an invaluable resource for students, teachers, and researchers of Popular Music Studies, American Studies, African American Studies, Critical Race Studies, Gender Studies, and Sexuality Studies.

Routledge
October 2023 : 196pp
Pb: 978-1-032-54745-9 : **£39.99**
Hb: 978-1-032-54746-6 : **£145**
eBook: 978-1-003-42733-9
* For **full contents** and more information, visit: **www.routledge.com/9781032547459**

Gender in Music Production

Edited by **Russ Hepworth-Sawyer** York St John University, UK**, Jay Hodgson** Professor at Western University, Ontario, Canada.**, Liesl King , Mark Marrington** York St John University, UK

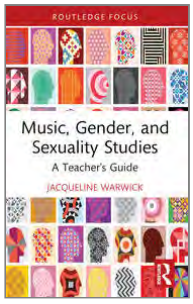
Series: Perspectives on Music Production

Gender in Music Production brings together industry leaders, practitioners and academics to present and analyse the situation of gender within the wider context of music production as well as to propose potential directions for the future of the field. This much-anticipated volume explores a wide range of topics, covering historical and contextual perspectives on women in the industry, interviews, case studies, individual position pieces, as well as informed analysis of current challenges and opportunities for change.

Focal Press
April 2020 : 302pp
Pb: 978-1-138-61336-2 : **£49.99**
Hb: 978-1-138-61337-9 : **£175**
eBook: 978-0-429-46451-5
* For **full contents** and more information, visit: **www.routledge.com/9781138613362**

Music, Gender, and Sexuality Studies

A Teacher's Guide



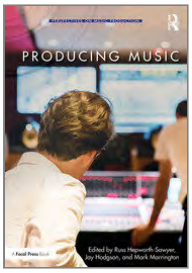
Jacqueline Warwick

Series: Modern Musicology and the College Classroom

Music, Gender, And Sexuality Studies: A Teacher's Guide serves as a guide to the professor tasked with teaching music to undergraduates, with a focus on gender. Although the notion of feminist approaches in musicology was once greeted with scorn, the last 40 years have seen a seismic shift across music studies, to the point that classes on women and music are now commonplace in most undergraduate music program. The goal of this book is to give the instructor some tools and strategies that will build confidence in approaching music as it relates to gender and sexuality, and to offer some advice on how to make the class rewarding for all.

Routledge
January 2024 : 140pp
Pb: 978-1-032-32844-7 : **£19.99**
Hb: 978-0-367-48741-6 : **£49.99**
eBook: 978-1-003-04265-5
* For **full contents** and more information, visit: **www.routledge.com/9781032328447**

Producing Music



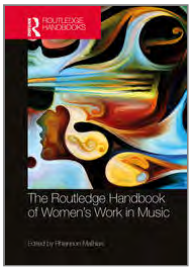
Edited by **Russ Hepworth-Sawyer** York St John University, UK**, Jay Hodgson** Professor at Western University, Ontario, Canada.**, Mark Marrington** York St John University, UK

Series: Perspectives on Music Production

During the last two decades, the field of music production has attracted considerable interest from the academic community, more recently becoming established as an important and flourishing research discipline in its own right. This book presents cutting edge research across topics that both strengthen and broaden the range of the discipline as it currently stands. Focusing on areas such as genre, technology, concepts and contexts of production, Hepworth-Sawyer, Hodgson and Marrington have compiled key research from practitioners and academics to present a comprehensive view of how music production has established itself and changed over the years.

Routledge
March 2019 : 356pp
Pb: 978-0-415-78922-6 : **£43.99**
Hb: 978-0-415-78921-9 : **£135**
eBook: 978-1-315-21224-1
* For **full contents** and more information, visit: **www.routledge.com/9780415789226**

The Routledge Handbook of Women's Work in Music



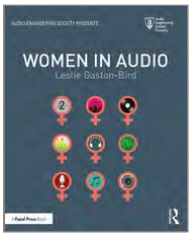
Edited by **Rhiannon Mathias**

Series: Routledge Music Handbooks

The Routledge Handbook of Women's Work in Music presents a unique collection of core research by academics and music practitioners from around the world, engaging with an extraordinarily wide range of topics on women's contributions to Western and Eastern art music, popular music, world music, music education, ethnomusicology as well as in the music industries. This is a key reference work for advanced undergraduates, postgraduates and researchers in music and gender.

Routledge
September 2023 : 488pp
Pb: 978-1-032-16204-1 : **£43.99**
Hb: 978-0-367-19209-9 : **£215**
eBook: 978-0-429-20108-0
* For **full contents** and more information, visit: **www.routledge.com/9781032162041**

Women in Audio



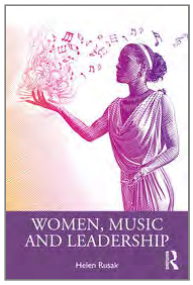
Leslie Gaston-Bird

Series: Audio Engineering Society Presents

Women in Audio features almost 100 profiles and stories of audio engineers who are women and have achieved success throughout the history of the trade. This textbook documents the history of trailblazing women and offers a current look at women succeeding in every audio-related field imaginable. It covers the historical achievements of women in various audio professions and focuses on organizations that support and train women and girls in the industry. This book is a valuable resource for professionals, educators and students.

Focal Press
December 2019 : 334pp
Pb: 978-1-138-31599-0 : **£45.99**
Hb: 978-1-138-31601-0 : **£180**
eBook: 978-0-429-45594-0
* For **full contents** and more information, visit: **www.routledge.com/9781138315990**

Women, Music and Leadership



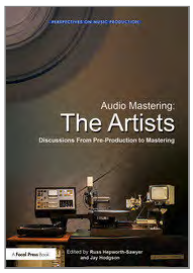
Helen Rusak

Women, Music and Leadership offers a wide-ranging survey of women in musical leadership and their experiences, highlighting women's achievements and considering how they negotiate the challenges of the leadership space in music. Connecting management theory and leadership research with feminist musicology, this book paints a new picture of women's major contributions as leaders in music, and their ongoing struggles for equity. It will be relevant to students and scholars in arts and music management, as well as all those studying music, gender, or leadership, and women music professionals.

Routledge
August 2023 : 280pp
Pb: 978-1-032-02501-8 : **£38.99**
Hb: 978-1-032-02502-5 : **£135**
eBook: 978-1-003-18363-1
* For **full contents** and more information, visit: **www.routledge.com/9781032025018**

Audio Mastering: The Artists

Discussions from Pre-Production to Mastering



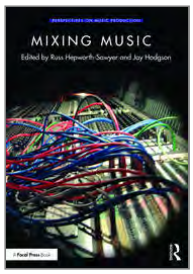
Russ Hepworth-Sawyer York St John University, UK**, Jay Hodgson** Professor at Western University, Ontario, Canada.

Series: Perspectives on Music Production

Audio Mastering: The Artists investigates the effect each phase of the production process has on the last creative stage: mastering. Using interviews sourced over many years from over 50 professionals, this book discusses the whole production process with a particular focus on the mastering engineer.

Routledge
October 2018 : 294pp
Pb: 978-1-138-90005-9 : **£32.99**
Hb: 978-1-138-90006-6 : **£135**
eBook: 978-1-315-70750-1
* For **full contents** and more information, visit: **www.routledge.com/9781138900059**

Mixing Music



Edited by **Russ Hepworth-Sawyer** York St John University, UK**, Jay Hodgson** Professor at Western University, Ontario, Canada.

Series: Perspectives on Music Production

This series, Perspectives On Music Production, collects detailed and experientially informed considerations of record production from a multitude of perspectives, by authors working in a wide array of academic, creative and professional contexts. Each volume in the series thus focuses directly on a distinct aesthetic "moment" in a record's production, from pre-production through recording (audio engineering), mixing, mastering, to marketing and promotions. This first volume in the series, titled Mixing Music, focuses directly on the mixing process.

Routledge
December 2016 : 306pp
Pb: 978-1-138-21873-4 : **£68.99**
Hb: 978-1-138-18204-2 : **£175**
eBook: 978-1-315-64660-2
* For **full contents** and more information, visit: **www.routledge.com/9781138218734**

Producing Music

Edited by **Russ Hepworth-Sawyer** York St John University, UK**, Jay Hodgson** Professor at Western University, Ontario, Canada.**, Mark Marrington** York St John University, UK

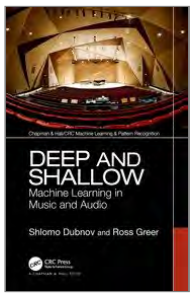
Series: Perspectives on Music Production

During the last two decades, the field of music production has attracted considerable interest from the academic community, more recently becoming established as an important and flourishing research discipline in its own right. This book presents cutting edge research across topics that both strengthen and broaden the range of the discipline as it currently stands. Focusing on areas such as genre, technology, concepts and contexts of production, Hepworth-Sawyer, Hodgson and Marrington have compiled key research from practitioners and academics to present a comprehensive view of how music production has established itself and changed over the years.

Routledge
March 2019 : 356pp
Pb: 978-0-415-78922-6 : **£43.99**
Hb: 978-0-415-78921-9 : **£135**
eBook: 978-1-315-21224-1
* For **full contents** and more information, visit: **www.routledge.com/9780415789226**

Deep and Shallow

Machine Learning in Music and Audio



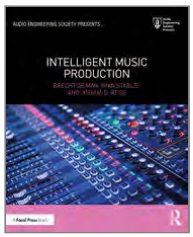
Shlomo Dubnov , Ross Greer

Series: Chapman & Hall/CRC Machine Learning & Pattern Recognition

Providing an essential and unique bridge between the theories of signal processing, machine learning and artificial intelligence (AI) in music, this book provides a holistic overview of foundational ideas in music, from the physical and mathematical properties of sound to symbolic representations. Surveying state of the art methods in applications of deep neural networks to audio and sound computing, as well as offering a research perspective that suggests future challenges in music and AI research, this book appeals to both students of AI and music, as well as industry professionals in the fields of machine learning, music and AI.

Chapman & Hall
December 2023 : 344pp
Pb: 978-1-032-13391-1 : **£45.99**
Hb: 978-1-032-14618-8 : **£120**
eBook: 978-1-003-24019-8
* For **full contents** and more information, visit: **www.routledge.com/9781032133911**

Intelligent Music Production



Brecht De Man , Ryan Stables Digital Media Technology Lab, Birmingham City University**, Joshua D. Reiss** Centre for Digital Music, Queen Mary University of London

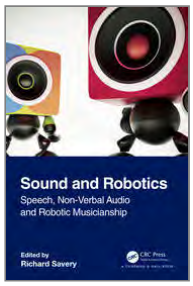
Series: Audio Engineering Society Presents

Intelligent Music Production presents the state of the art in approaches, methodologies and systems from the emerging field of automation in music mixing and mastering. Intelligent Music Production is a comprehensive guide, providing an introductory read for beginners, as well as a crucial reference point for experienced researchers, producers, engineers and developers.

Focal Press
October 2019 : 218pp
Pb: 978-1-138-05519-3 : **£43.99**
Hb: 978-1-138-05518-6 : **£135**
eBook: 978-1-315-16610-0
* For **full contents** and more information, visit: **www.routledge.com/9781138055193**

Sound and Robotics

Speech, Non-Verbal Audio and Robotic Musicianship



Edited by **Richard Savery** Macquarie University, Australia

Sound in human-robot interaction currently encompasses a wide range of approaches and methodologies that is not easily classified, analyzed, or compared between projects. This edited book covers the state-of-the-art in sound and robotics aiming to collect existing approaches in a combined volume. This book is primarily aimed at HRI researchers, ranging from those who have never used sound to those who are very experienced with sound.

Chapman & Hall
December 2023 : 357pp
Pb: 978-1-032-34083-8 : **£47.99**
Hb: 978-1-032-34084-5 : **£140**
eBook: 978-1-003-32047-0
* For **full contents** and more information, visit: **www.routledge.com/9781032340838**

Innovation in Music

Performance, Production, Technology, and Business

Edited by **Russ Hepworth-Sawyer** York St John University, UK**, Jay Hodgson** Professor at Western University, Ontario, Canada.**, Justin Paterson , Rob Toulson** Anglia Ruskin University

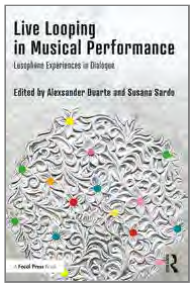
Series: Perspectives on Music Production

This exciting handbook includes cutting-edge articles on a range of topics, presented under the main themes of artistry, technology, production, and industry. Each chapter is written by a leader in the field and contains insights and discoveries not yet shared. The book covers new developments in standard practice of sound design, engineering, and acoustics. It also reaches into areas of innovation, both in technology and business practice, even into cross-discipline areas.

Routledge
July 2019 : 544pp
Pb: 978-1-138-49819-8 : **£58.99**
Hb: 978-1-138-49821-1 : **£135**
eBook: 978-1-351-01671-1
* For **full contents** and more information, visit: **www.routledge.com/9781138498198**

Live Looping in Musical Performance

Lusophone Experiences in Dialogue



Edited by **Alexsander Duarte , Susana Sardo**

Live Looping in Musical Performance presents a range of interdisciplinary perspectives on the uses of live looping technology by a range of lusophone performers and composers, considering diverse aspects from the aesthetic component to the instrumentation and even setup. Providing cutting-edge reading for composers and performers, as well as ethnomusicologists, students and researchers working in the areas of music production, technology and performance, this book addresses a broader audience, both academic and non-academic, who are interested in new processes of musical creativity in a post-human world.

Focal Press
August 2023 : 192pp
Pb: 978-0-367-72257-9 : **£36.99**
Hb: 978-0-367-72259-3 : **£135**
eBook: 978-1-003-15408-2
* For **full contents** and more information, visit: **www.routledge.com/9780367722579**

2ND EDITION

Modern MIDI

Sequencing and Performing Using Traditional and Mobile Tools

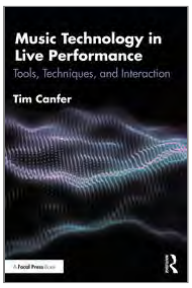
Sam McGuire University of Colorado, Denver, CO; Appalachian State University, Boone, NC.

Modern MIDI equips you with everything you need to use MIDI in your music productions. With a particular focus on practical application and step-by-step explanations, this book does far more than tell you about how MIDI works. Simple explanations and real-world scenarios encourage you to test out the techniques for yourself. The second edition builds on the first, making sequencing approachable for absolute beginners, reinforcing the fundamentals of MIDI and expanding the coverage into new mobile technology and vintage gear. Essential reading for beginners from all backgrounds, including students, professionals and experienced users looking to develop their existing setups.

Routledge
August 2019 : 442pp
Pb: 978-1-138-57877-7 : **£45.99**
Hb: 978-1-138-57874-6 : **£155**
eBook: 978-1-351-26384-9
* For **full contents** and more information, visit: **www.routledge.com/9781138578777**

Music Technology in Live Performance

Tools, Techniques, and Interaction



Tim Canfer

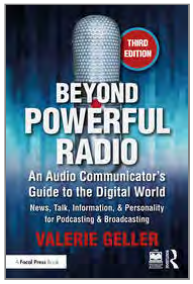
Music Technology in Live Performance explores techniques to augment live musical performance and represents a comprehensive guide to best practices in music technology for live performance. This book is an ideal introduction for students of music performance, music production and music technology, and a vital resource to professional musicians, producers, and technology developers.

Focal Press
December 2023 : 252pp
Pb: 978-1-032-44089-7 : **£38.99**
Hb: 978-1-032-44091-0 : **£135**
eBook: 978-1-003-37040-6
* For **full contents** and more information, visit: **www.routledge.com/9781032440897**

3RD EDITION

Beyond Powerful Radio

An Audio Communicator's Guide to the Digital World - News, Talk, Information, & Personality for Podcasting & Broadcasting



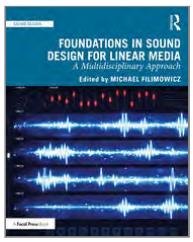
Valerie Geller

A complete guide to becoming a successful communicator, Beyond Powerful Radio teaches time-tested techniques that work in any format – radio, TV, podcast, or online. Learn how to get, keep, and grow audiences with powerful storytelling, and become a dynamic presenter. This book holds the tools needed to create winning content; tell compelling stories; build your brand; develop talent; produce a show; report the news; sell; and write commercials. Whether you're a professional with years in the industry, an instructor with a class full of media hopefuls, or you are just starting out as a podcaster or radio host, this book will help you reach your goals.

Routledge
November 2024 : 540pp
Pb: 978-0-367-34914-1 : **£51.99**
Hb: 978-0-367-33739-1 : **£160**
eBook: 978-0-429-32869-5
* For **full contents** and more information, visit: **www.routledge.com/9780367349141**

Foundations in Sound Design for Linear Media

A Multidisciplinary Approach



Edited by **Michael Filimowicz** Simon Fraser University, Canada

Series: Sound Design

A comprehensive introduction to foundational topics in sound design for linear media, such as listening and recording; audio postproduction; key musical concepts and forms such as harmony, conceptual sound design, electronica, soundscape, and electroacoustic composition; the audio commons; and sound's ontology and phenomenology. The reader will gain a broad understanding of the key concepts and practices that define sound design for its use with moving images as well as important forms of composed sound. Designed as a textbook for students and teachers, as a handbook for researchers in sound, media and experience, and as a survey of key trends and ideas.

Routledge
June 2019 : 436pp
Pb: 978-1-138-09396-6 : **£47.99**
Hb: 978-1-138-09395-9 : **£135**
eBook: 978-1-315-10633-5
* For **full contents** and more information, visit: **www.routledge.com/9781138093966**

Innovation in Music

Performance, Production, Technology, and Business

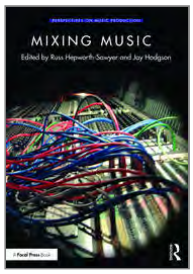
Edited by **Russ Hepworth-Sawyer** York St John University, UK**, Jay Hodgson** Professor at Western University, Ontario, Canada.**, Justin Paterson , Rob Toulson** Anglia Ruskin University

Series: Perspectives on Music Production

This exciting handbook includes cutting-edge articles on a range of topics, presented under the main themes of artistry, technology, production, and industry. Each chapter is written by a leader in the field and contains insights and discoveries not yet shared. The book covers new developments in standard practice of sound design, engineering, and acoustics. It also reaches into areas of innovation, both in technology and business practice, even into cross-discipline areas.

Routledge
July 2019 : 544pp
Pb: 978-1-138-49819-8 : **£58.99**
Hb: 978-1-138-49821-1 : **£135**
eBook: 978-1-351-01671-1
* For **full contents** and more information, visit: **www.routledge.com/9781138498198**

Mixing Music



Edited by **Russ Hepworth-Sawyer** York St John University, UK**, Jay Hodgson** Professor at Western University, Ontario, Canada.

Series: Perspectives on Music Production

This series, Perspectives On Music Production, collects detailed and experientially informed considerations of record production from a multitude of perspectives, by authors working in a wide array of academic, creative and professional contexts. Each volume in the series thus focuses directly on a distinct aesthetic "moment" in a record's production, from pre-production through recording (audio engineering), mixing, mastering, to marketing and promotions. This first volume in the series, titled Mixing Music, focuses directly on the mixing process.

Routledge
December 2016 : 306pp
Pb: 978-1-138-21873-4 : **£68.99**
Hb: 978-1-138-18204-2 : **£175**
eBook: 978-1-315-64660-2
* For **full contents** and more information, visit: **www.routledge.com/9781138218734**

3D Audio

Edited by **Justin Paterson , Hyunkook Lee**

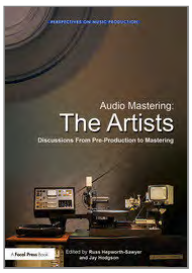
Series: Perspectives on Music Production

This edited volume crosses disciplines to bring together the best new work in the cutting-edge field of 3-D Audio. With a rise in virtual and augmented reality, surround sound is becoming more common place in entertainment and will soon reach into new areas like education and social media. Scientific research from many fields is needed to create 3D audio. The divisions between these areas can be cultural, mercantile, technological, or conceptual, but with parallel research strands all carrying momentum, this book provides the invaluable resource for crossing those boundaries for a shared, multi-disciplinary context.

Routledge
August 2021 : 320pp
Pb: 978-1-138-59006-9 : **£47.99**
Hb: 978-1-138-59003-8 : **£135**
eBook: 978-0-429-49121-4
* For **full contents** and more information, visit: **www.routledge.com/9781138590069**

Audio Mastering: The Artists

Discussions from Pre-Production to Mastering



Russ Hepworth-Sawyer York St John University, UK**, Jay Hodgson** Professor at Western University, Ontario, Canada.

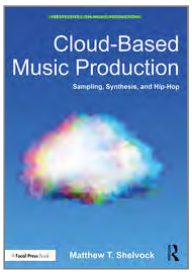
Series: Perspectives on Music Production

Audio Mastering: The Artists investigates the effect each phase of the production process has on the last creative stage: mastering. Using interviews sourced over many years from over 50 professionals, this book discusses the whole production process with a particular focus on the mastering engineer.

Routledge
October 2018 : 294pp
Pb: 978-1-138-90005-9 : **£32.99**
Hb: 978-1-138-90006-6 : **£135**
eBook: 978-1-315-70750-1
* For **full contents** and more information, visit: **www.routledge.com/9781138900059**

Cloud-Based Music Production

Sampling, Synthesis, and Hip-Hop



Matthew T. Shelvock

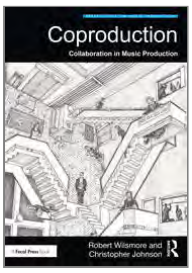
Series: Perspectives on Music Production

Cloud-Based Music Production: Samples, Synthesis, and Hip-Hop presents a discussion on cloud-based music-making procedures and the musical competencies required to make hip-hop beats. By investigating how hip-hop producers make music using cloud-based music production libraries, this book reveals how those services impact music production en masse. Cloud-Based Music Production will be of interest to musicians, producers, mixers, and engineers and also provides essential supplementary reading for music technology courses.

Focal Press
February 2020 : 176pp
Pb: 978-0-815-35319-5 : **£37.99**
Hb: 978-0-815-35318-8 : **£135**
eBook: 978-1-351-13710-2
* For **full contents** and more information, visit: **www.routledge.com/9780815353195**

Coproduction

Collaboration in Music Production



Robert Wilsmore , Christopher Johnson

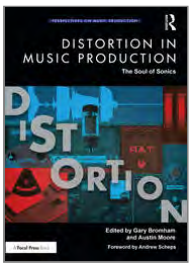
Series: Perspectives on Music Production

Coproduction is the first book dedicated specifically to the study of an emerging field in music production musicology. It explores the limits of what this field might be, from the workings of a few individuals producing music together in the studio, to vast contributions of whole societies producing popular music. In attempting to unite the pragmatic collaborative patterns of Vera John-Steiner with philosophical postmodernist concepts of connection, Coproduction has something to offer readers interested in the traditional workings of teams of producers, as well as those seeking to understand the wider philosophy of collaboration in music production.

Routledge
May 2022 : 244pp
Pb: 978-0-815-36255-5 : **£58.99**
Hb: 978-0-815-36253-1 : **£155**
eBook: 978-1-351-11195-9
* For **full contents** and more information, visit: **www.routledge.com/9780815362555**

Distortion in Music Production

The Soul of Sonics



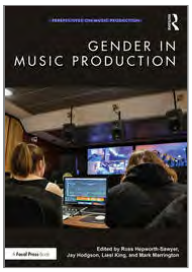
Edited by **Gary Bromham , Austin Moore**

Series: Perspectives on Music Production

Distortion in Music Production offers a range of valuable perspectives on how engineers and producers use distortion and colouration as production tools. Readers are provided with detailed and informed considerations on the use of non-linear signal processing, by authors working in a wide array of academic, creative, and professional contexts. This text is one of the first to offer an extensive investigation of distortion in music production and constitutes essential reading for students and practitioners working in music production.

Focal Press
June 2023 : 306pp
Pb: 978-0-367-40585-4 : **£44.99**
Hb: 978-0-367-40587-8 : **£130**
eBook: 978-0-429-35684-1
* For **full contents** and more information, visit: **www.routledge.com/9780367405854**

Gender in Music Production



Edited by **Russ Hepworth-Sawyer** York St John University, UK**, Jay Hodgson** Professor at Western University, Ontario, Canada**., Liesl King , Mark Marrington** York St John University, UK

Series: Perspectives on Music Production

Gender in Music Production brings together industry leaders, practitioners and academics to present and analyse the situation of gender within the wider context of music production as well as to propose potential directions for the future of the field. This much-anticipated volume explores a wide range of topics, covering historical and contextual perspectives on women in the industry, interviews, case studies, individual position pieces, as well as informed analysis of current challenges and opportunities for change.

Focal Press
April 2020 : 302pp
Pb: 978-1-138-61336-2 : **£49.99**
Hb: 978-1-138-61337-9 : **£175**
eBook: 978-0-429-46451-5
* For **full contents** and more information, visit: **www.routledge.com/9781138613362**

Innovation in Music

Future Opportunities

Edited by **Russ Hepworth-Sawyer** York St John University, UK**, Justin Paterson , Rob Toulson** Anglia Ruskin University

Series: Perspectives on Music Production

Innovation in Music: Future Opportunities brings together cutting-edge research on new innovations in the field of music production, technology, performance and business. Including contributions from a host of well-respected researchers and practitioners, this volume provides crucial coverage on a range of topics from cybersecurity, to accessible music technology, performance techniques and the role of talent shows within music business. Innovation in Music: Future Opportunities is the perfect companion for professionals and researchers alike with an interest in the music industry.

Focal Press
January 2021 : 474pp
Pb: 978-0-367-36335-2 : **£58.99**
Hb: 978-0-367-36337-6 : **£135**
eBook: 978-0-429-34538-8
* For **full contents** and more information, visit: **www.routledge.com/9780367363352**

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Routledge
July 2019 : 544pp
Pb: 978-1-138-49819-8 : **£58.99**
Hb: 978-1-138-49821-1 : **£135**
eBook: 978-1-351-01671-1
* For **full contents** and more information, visit: **www.routledge.com/9781138498198**

Innovation in Music: Adjusting Perspectives

Edited by **Jan-Olof Gullö , Russ Hepworth-Sawyer** York St John University, UK**, Dave Hook , Mark Marrington** York St John University, UK**, Justin Paterson , Rob Toulson**

Series: Perspectives on Music Production

Innovation in Music: Adjusting Perspectives brings together cutting-edge research on new innovations in the field of music production, technology, performance, and business. With contributions from a host of well-respected researchers and practitioners, this volume provides crucial coverage on the relationship between innovation and rebellion. Including chapters on generative AI, gender equality, live music, quantisation, and composition, this book is recommended reading for music industry researchers working in a range of fields, as well as professionals interested in industry innovations.

Focal Press
December 2024 : 232pp
Pb: 978-1-032-50024-9 : **£51.99**
Hb: 978-1-032-50025-6 : **£135**
eBook: 978-1-003-39655-0
* For **full contents** and more information, visit: **www.routledge.com/9781032500249**

Innovation in Music: Cultures and Contexts

Edited by **Jan-Olof Gullö , Russ Hepworth-Sawyer** York St John University, UK**, Justin Paterson , Rob Toulson , Mark Marrington** York St John University, UK

Series: Perspectives on Music Production

Innovation in Music: Cultures and Contexts is a groundbreaking collection, bringing together contributions from instructors, researchers and professionals. Split into two sections, covering creative production practices and national/international perspectives, this volume offers truly global outlooks on ever-evolving practices. This book is recommended reading for professionals, students and researchers looking for global insights into the fields of music production, music business and music technology.

Focal Press
March 2024 : 302pp
Pb: 978-1-032-61116-7 : **£56.99**
Hb: 978-1-032-61117-4 : **£145**
eBook: 978-1-003-46210-1
* For **full contents** and more information, visit: **www.routledge.com/9781032611167**

Innovation in Music: Innovation Pathways

Edited by **Jan-Olof Gullö , Russ Hepworth-Sawyer** York St John University, UK**, Dave Hook , Mark Marrington** York St John University, UK**, Justin Paterson , Rob Toulson**

Series: Perspectives on Music Production

Innovation in Music: Innovation Pathways brings together cutting-edge research on new innovations in the field of music production, technology, performance, and business. With contributions from a host of well-respected researchers and practitioners, this volume provides crucial coverage on the relationship between innovation and rebellion. Including chapters on mixing desks, digital ethics, soundscapes, immersive audio, and computer-assisted music, this book is recommended reading for music industry researchers working in a range of fields, as well as professionals interested in industry innovations.

Focal Press
December 2024 : 250pp
Pb: 978-1-032-50051-5 : **£51.99**
Hb: 978-1-032-50056-0 : **£135**
eBook: 978-1-003-39671-0
* For **full contents** and more information, visit: **www.routledge.com/9781032500515**

Innovation in Music: Technology and Creativity

Edited by **Jan-Olof Gullö , Russ Hepworth-Sawyer** York St John University, UK**, Justin Paterson , Rob Toulson , Mark Marrington** York St John University, UK

Series: Perspectives on Music Production

Innovation in Music: Technology and Creativity is a groundbreaking collection, bringing together contributions from instructors, researchers and professionals. Including chapters on audience interaction, dynamic music methods, AI and live electronics performances, this is recommended reading for professionals, students and researchers looking for global insights into the fields of music production, music business and music technology.

Focal Press
March 2024 : 354pp
Pb: 978-0-367-63336-3 : **£56.99**
Hb: 978-0-367-63337-0 : **£145**
eBook: 978-1-003-11881-7
* For **full contents** and more information, visit: **www.routledge.com/9780367633363**

Mastering in Music

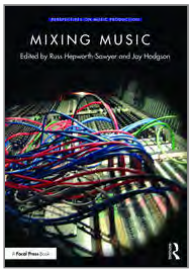
Edited by **John Paul Braddock , Russ Hepworth-Sawyer , Jay Hodgson , Matthew Shelvock , Rob Toulson**

Series: Perspectives on Music Production

Mastering in Music is a cutting-edge edited collection that offers twenty perspectives on the contexts and process of mastering. Including a range of detailed case studies and interviews, Mastering in Music offers a comprehensive overview of the foremost hot topics affecting the industry, making it key reading for students and professionals engaged in music production.

Focal Press
December 2020 : 312pp
Pb: 978-0-367-22719-7 : **£43.99**
Hb: 978-0-367-22731-9 : **£135**
eBook: 978-0-429-27659-0
* For **full contents** and more information, visit: **www.routledge.com/9780367227197**

Mixing Music



Edited by **Russ Hepworth-Sawyer** York St John University, UK**, Jay Hodgson** Professor at Western University, Ontario, Canada.

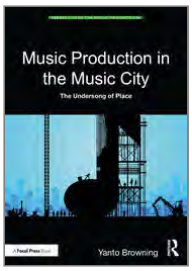
Series: Perspectives on Music Production

This series, Perspectives On Music Production, collects detailed and experientially informed considerations of record production from a multitude of perspectives, by authors working in a wide array of academic, creative and professional contexts. Each volume in the series thus focuses directly on a distinct aesthetic "moment" in a record's production, from pre-production through recording (audio engineering), mixing, mastering, to marketing and promotions. This first volume in the series, titled Mixing Music, focuses directly on the mixing process.

Routledge
December 2016 : 306pp
Pb: 978-1-138-21873-4 : **£68.99**
Hb: 978-1-138-18204-2 : **£175**
eBook: 978-1-315-64660-2
* For **full contents** and more information, visit: **www.routledge.com/9781138218734**

Music Production in the Music City

The Undersong of Place



Yanto Browning

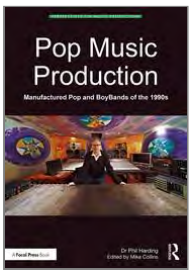
Series: Perspectives on Music Production

Music Production in the Music City considers how music is produced in specific urban contexts, and features four case studies from a diverse set of cities - Berlin, Nashville, Chennai, and Brisbane - to investigate how music comes to be created in locally specific music production contexts. This is a cutting-edge contribution to music city studies, and will be of great interest to researchers, postgraduates, and advanced undergraduates studying music production and world music. This book will also be of interest to those involved in urban policy work related to the live and recorded music industries.

Focal Press
April 2025 : 178pp
Pb: 978-1-032-58465-2 : **£39.99**
Hb: 978-1-032-58466-9 : **£145**
* For **full contents** and more information, visit: **www.routledge.com/9781032584652**

Pop Music Production

Manufactured Pop and BoyBands of the 1990s



Phil Harding , Mike Collins Studio musician, recording engineer, and producer

Series: Perspectives on Music Production

This book delves into academic depths around the pop music culture, business, songwriting and production process. It balances autobiographical discussion of events and relationships with cutting-edge analysis to offer poignant points on the value of pure popular music, particularly in relation to BoyBands and how creative pop production and songwriting teams function. Including practical resources such as recording studio equipment lists, producer business deal examples and a 12-step mixing technique and is aimed at lecturers and students of all levels in the fields of Music Production, Audio Engineering, Music Technology, Popular Songwriting Studies and Popular Music Culture.

Routledge
July 2019 : 210pp
Pb: 978-0-815-39281-1 : **£39.99**
Hb: 978-0-815-39280-4 : **£135**
eBook: 978-1-351-18979-8
* For **full contents** and more information, visit: **www.routledge.com/9780815392811**

Producing Music

Edited by **Russ Hepworth-Sawyer** York St John University, UK**, Jay Hodgson** Professor at Western University, Ontario, Canada**., Mark Marrington** York St John University, UK

Series: Perspectives on Music Production

During the last two decades, the field of music production has attracted considerable interest from the academic community, more recently becoming established as an important and flourishing research discipline in its own right. This book presents cutting edge research across topics that both strengthen and broaden the range of the discipline as it currently stands. Focusing on areas such as genre, technology, concepts and contexts of production, Hepworth-Sawyer, Hodgson and Marrington have compiled key research from practitioners and academics to present a comprehensive view of how music production has established itself and changed over the years.

Routledge
March 2019 : 356pp
Pb: 978-0-415-78922-6 : **£43.99**
Hb: 978-0-415-78921-9 : **£135**
eBook: 978-1-315-21224-1
* For **full contents** and more information, visit: **www.routledge.com/9780415789226**

Recording Analysis

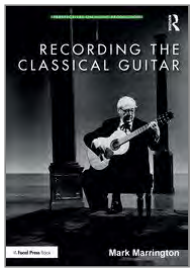
How the Record Shapes the Song

William Moylan

This book identifies and explains how the sounds imparted by recording processes enhance the artistry and expression of recorded songs. Moylan investigates how the process of recording a song transforms it into a richer experience and articulates how the unique elements of recorded sound provide essential substance and expression to recorded music. Evaluating the music, lyrics, social context, literary content and meaning, it offers detailed analyses of recording elements as they appear in a wide variety of tracks. Accompanied by a range of online resources, this is an essential read for students, academics and practitioners in record production, song-writing and popular music.

Focal Press
February 2020 : 594pp
Pb: 978-1-138-66706-8 : **£43.99**
Hb: 978-1-138-66707-5 : **£135**
eBook: 978-1-315-61717-6
* For **full contents** and more information, visit: **www.routledge.com/9781138667068**

Recording the Classical Guitar



Mark Marrington York St John University, UK

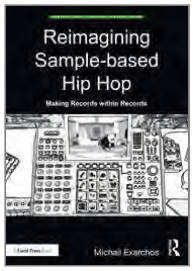
Series: Perspectives on Music Production

This book explores the ways in which recording technologies and studio production techniques have shaped the performance aesthetics, repertoire, and sound of the classical guitar over the last century. Covering not just the full context of music theory, the book places the history of classical guitar into a technological context, tracing its evolution from the early days into the digital era. Many of the instrument's key performance personalities are referenced as well as the strategies of leading recording engineers. The book is accompanied by a companion website that offers engaging musical excerpts that will demonstrate concepts in the book.

Routledge
March 2021 : 444pp
Pb: 978-1-138-55470-2 : **£43.99**
Hb: 978-1-138-55468-9 : **£135**
eBook: 978-1-315-14913-4
* For **full contents** and more information, visit: **www.routledge.com/9781138554702**

Reimagining Sample-based Hip Hop

Making Records within Records



Michail Exarchos

Series: Perspectives on Music Production

Reimagining Sample-based Hip Hop: Making Records within Records presents the poetics of hip hop record production and the significance of sample material in record making, providing analysis of key releases in hip-hop discography and interviews with experts from the world of Hip Hop and beyond. With a significant emphasis on both practice and theory, this book will be of interest to advanced undergraduates, postgraduates and researchers working in audio engineering, music production, hip-hop studies, and musicology.

Focal Press
July 2023 : 196pp
Pb: 978-0-367-46180-5 : **£38.99**
Hb: 978-0-367-46181-2 : **£135**
eBook: 978-1-003-02743-0
* For **full contents** and more information, visit: **www.routledge.com/9780367461805**

Remastering Music and Cultural Heritage

Case Studies from Iconic Original Recordings to Modern Remasters

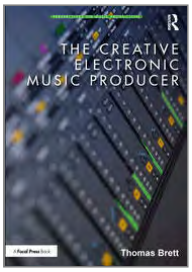
Stephen Bruel

Series: Perspectives on Music Production

Remastering Music and Cultural Heritage presents a detailed account of the culture and practice of remastering music recordings. By investigating the production processes, social, nostalgic, and technological components of remastering practice, the book demonstrates the application of these techniques to iconic and unreleased studio recordings by artists such as The Beatles, Elton John, and Oasis. This is essential reading for students and teachers of mastering and music production, professional practitioners, and musicians.

Focal Press
September 2023 : 154pp
Pb: 978-1-032-01229-2 : **£38.99**
Hb: 978-1-032-01230-8 : **£135**
eBook: 978-1-003-17776-0
* For **full contents** and more information, visit: **www.routledge.com/9781032012292**

The Creative Electronic Music Producer



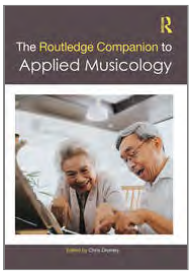
Thomas Brett

Series: Perspectives on Music Production

The Creative Electronic Music Producer examines the creative processes of electronic music production, from idea discovery and perception to the power of improvising, editing, effects processing and sound design. This book maps production's enchanting pathways in a way that will fascinate and inspire students of electronic music production, professionals already working in the industry and hobbyists.

Focal Press
July 2021 : 164pp
Pb: 978-0-367-90079-3 : **£33.99**
Hb: 978-0-367-90080-9 : **£150**
eBook: 978-1-003-02246-6
* For **full contents** and more information, visit: **www.routledge.com/9780367900793**

The Routledge Companion to Applied Musicology



Edited by **Chris Dromey**

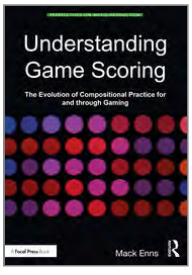
Series: Routledge Music Companions

The Routledge Companion to Applied Musicology brings together academics, artist-researchers, and practitioners to provide readers with an extensive and authoritative overview of applied musicology. Featuring 39 authors, The Routledge Companion to Applied Musicology falls into five parts—Defining and Theorising Applied Musicology; Public Engagement; New Approaches and Research Methods; Representation and Inclusion; and Musicology in/for Performance—that chronicle the subject's rich history and consider the connections that will characterise its future. The book offers an essential resource for anyone exploring applied musicology.

Routledge
September 2023 : 398pp
Hb: 978-0-367-48824-6 : **£215**
eBook: 978-1-003-04298-3
* For **full contents** and more information, visit: **www.routledge.com/9780367488246**

Understanding Game Scoring

The Evolution of Compositional Practice for and through Gaming



Mack Enns

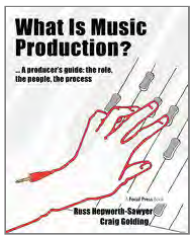
Series: Perspectives on Music Production

Understanding Game Scoring explores the unique collaboration between gameplay and composition that defines musical scoring for video games.This book is recommended reading for students and researchers interested in the composition and production of video game scores, as well as those interested in ludo-musicology.

Focal Press
November 2021 : 160pp
Pb: 978-0-367-49281-6 : **£44.99**
Hb: 978-0-367-49283-0 : **£135**
eBook: 978-1-003-04546-5
* For **full contents** and more information, visit: **www.routledge.com/9780367492816**

What is Music Production?

A Producers Guide: The Role, the People, the Process



Russ Hepworth-Sawyer York St John University, UK**, Craig Golding**

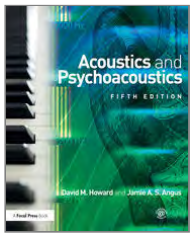
Series: Perspectives on Music Production

What to expect before, during and after a session

Routledge
October 2010 : 300pp
Pb: 978-0-240-81126-0 : **£35.99**
Hb: 978-1-138-46897-9 : **£180**
eBook: 978-0-080-92840-1
* For **full contents** and more information, visit: **www.routledge.com/9780240811260**

5TH EDITION

Acoustics and Psychoacoustics



David M. Howard Royal Holloway University, Electronic Engineering Department**., Jamie Angus** York University, UK

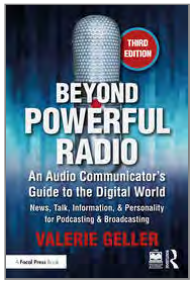
Acoustics and Psychoacoustics, Fifth Edition provides tools to understand how music sounds and behaves in different spaces, and how sounds are perceived by performers and listeners. This new edition reflects new psychoacoustic information related to timbre and temporal perception, including an updated discussion of vocal fold vibration principles, samples of recent acoustic treatments, and a description of variable acoustics in spaces, as well as coverage of the environment's effect on production listening, sonification, and other topics. An accompanying website features audio clips, tutorial sheets, and trainings.

Routledge
June 2017 : 518pp
Pb: 978-1-138-85987-6 : **£58.99**
Hb: 978-1-138-24139-8 : **£135**
eBook: 978-1-315-71687-9
* For **full contents** and more information, visit: **www.routledge.com/9781138859876**

3RD EDITION

Beyond Powerful Radio

An Audio Communicator's Guide to the Digital World - News, Talk, Information, & Personality for Podcasting & Broadcasting



Valerie Geller

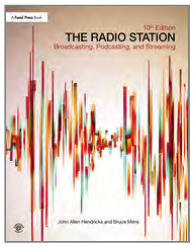
A complete guide to becoming a successful communicator, Beyond Powerful Radio teaches time-tested techniques that work in any format – radio, TV, podcast, or online. Learn how to get, keep, and grow audiences with powerful storytelling, and become a dynamic presenter. This book holds the tools needed to create winning content; tell compelling stories; build your brand; develop talent; produce a show; report the news; sell; and write commercials. Whether you're a professional with years in the industry, an instructor with a class full of media hopefuls, or you are just starting out as a podcaster or radio host, this book will help you reach your goals.

Routledge
November 2024 : 540pp
Pb: 978-0-367-34914-1 : **£51.99**
Hb: 978-0-367-33739-1 : **£160**
eBook: 978-0-429-32869-5
* For **full contents** and more information, visit: **www.routledge.com/9780367349141**

10TH EDITION

The Radio Station

Broadcasting, Podcasting, and Streaming



John Hendricks Stephen F. Austin State University, USA**, Bruce Mims** Southeast Missouri State University, USA

The Radio Station offers a concise and insightful guide to all aspects of radio broadcasting, streaming, and podcasting. This book's tenth edition continues its long tradition of guiding readers to a solid understanding of who does what, when, and why in a professionally managed station. This new edition explains what "radio" in America has been, where it is today, and where it is going, covering the basics of how programming is produced, financed, delivered and promoted via terrestrial and satellite broadcasting, streaming and podcasting, John Allen Hendricks and Bruce Mims examine radio and its future within a framework of existing and emerging technologies.

Routledge
May 2018 : 482pp
Pb: 978-1-138-21881-9 : **£61.99**
Hb: 978-1-138-21880-2 : **£180**
eBook: 978-1-315-21265-4
* For **full contents** and more information, visit: **www.routledge.com/9781138218819**

2ND EDITION

Mic It!

Microphones, Microphone Techniques, and Their Impact on the Final Mix

Ian Corbett

Capture great sound in the first place and spend less time "fixing it in the mix" with Ian Corbett's Mic It! With this expanded second edition, you'll understand essential audio concepts as they relate to microphones and mic techniques and learn how to apply them to your recording situation. Mic It! gives you the background to explore, discover and design your own solutions, enabling you to record great source tracks that can be developed into anything from ultra-clean mixes to massive, organic soundscapes. Whatever your situation, with Mic It! you'll learn how to make the most of the tools you have.

Routledge
December 2020 : 440pp
Pb: 978-0-367-47036-4 : **£37.99**
Hb: 978-0-367-47044-9 : **£140**
eBook: 978-0-367-72373-6 : **£37.99**
* For **full contents** and more information, visit: **www.routledge.com/9780367470364**

10TH EDITION

Modern Recording Techniques

A Practical Guide to Modern Music Production

David Miles Huber Freelance Recording Engineer; Consultant; Contributor, EQ magazine, Seattle, WA, USA**, Emiliano Caballero , Robert Runstein**

Series: Audio Engineering Society Presents

Modern Recording Techniques is the bestselling, authoritative guide to sound and music recording. Whether you're just starting out or are looking to improve your skills, this book provides an in-depth guide to the art and technologies of music production and is a must-have reference for all audio bookshelves. This text is also supported by a host of video tutorials which provide additional listening and visual examples, making this essential reading for students, instructors and professionals.

Focal Press
October 2023 : 680pp
Pb: 978-1-032-19715-9 : **£41.99**
Hb: 978-1-032-19716-6 : **£140**
eBook: 978-1-003-26053-0
* For **full contents** and more information, visit: **www.routledge.com/9781032197159**

3RD EDITION

Music Production

Learn How to Record, Mix, and Master Music

Hans Weekhout

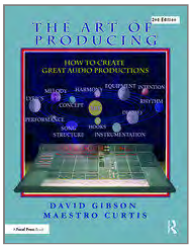
Music Production: Learn How to Record, Mix, and Master Music will teach you how to record, mix, and master music. With accessible language for both beginner and advanced readers, the book contains countless illustrations, includes tips and tricks for all the popular digital audio workstations and provides coverage of common plugins and processors. Also included is a section dedicated to mastering in a home studio. With hundreds of tips and techniques for both the starting and advanced music producer, this is your must-have guide.

Routledge
June 2019 : 394pp
Pb: 978-1-138-62610-2 : **£58.99**
Hb: 978-1-138-62609-6 : **£135**
eBook: 978-0-429-45950-4
* For **full contents** and more information, visit: **www.routledge.com/9781138626102**

2ND EDITION

The Art of Producing

How to Create Great Audio Projects



David Gibson , Maestro Curtis

This book tells you everything you need to know about becoming a producer. It explains the role of the producer across executive, musical, and engineering job types so you know what to expect, and it also covers how to sell yourself as a producer within different working environments. The book includes a nuts-and-bolts guide to analysing music from the pre-production standpoint including a special emphasis on the creative process, as well as explaining in technical detail what happens once the music hits the studio. This book also covers essentials like finance and copyright. Written in a fun and accessible way, the text includes lots of visuals and checklists to aid the reader.

Routledge
February 2019 : 254pp
Pb: 978-0-815-36938-7 : **£39.99**
Hb: 978-0-815-36939-4 : **£135**
eBook: 978-1-351-25246-1
* For **full contents** and more information, visit: **www.routledge.com/9780815369387**

Cloud-Based Music Production

Sampling, Synthesis, and Hip-Hop

Matthew T. Shelvock

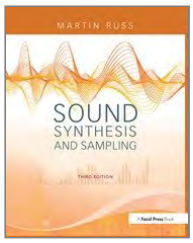
Series: Perspectives on Music Production

Cloud-Based Music Production: Samples, Synthesis, and Hip-Hop presents a discussion on cloud-based music-making procedures and the musical competencies required to make hip-hop beats. By investigating how hip-hop producers make music using cloud-based music production libraries, this book reveals how those services impact music production en masse. Cloud-Based Music Production will be of interest to musicians, producers, mixers, and engineers and also provides essential supplementary reading for music technology courses.

Focal Press
February 2020 : 176pp
Pb: 978-0-815-35319-5 : **£37.99**
Hb: 978-0-815-35318-8 : **£135**
eBook: 978-1-351-13710-2
* For **full contents** and more information, visit: **www.routledge.com/9780815353195**

3RD EDITION

Sound Synthesis and Sampling



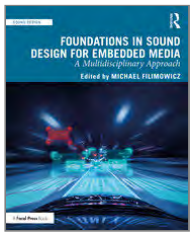
Martin Russ

Explains how sound synthesis works, in-depth background about acoustic and synthesis techniques

Routledge
November 2008 : 584pp
Hb: 978-0-240-52105-3 : **£130**
eBook: 978-0-080-92695-7
* For **full contents** and more information, visit: **www.routledge.com/9780240521053**

Foundations in Sound Design for Embedded Media

A Multidisciplinary Approach



Edited by **Michael Filimowicz** Simon Fraser University, Canada

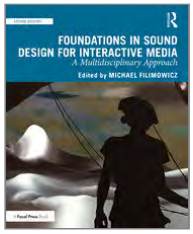
Series: Sound Design

A comprehensive introduction to foundational topics in sound design for embedded media, such as physical computing; interaction design; auditory displays; data sonification; speech synthesis; wearables; smart objects; user experience; playful tangible objects; and the new sensibilities entailed in expanding the concept of sound design to encompass the totality of our surroundings. The reader will gain a broad understanding of the key concepts and practices that define sound design for its use in computational products and design. Designed as a textbook for students and teachers, as a handbook for researchers in sound, programming and design, and as a survey of key trends and ideas.

Routledge
July 2019 : 430pp
Pb: 978-1-138-09389-8 : **£47.99**
Hb: 978-1-138-09387-4 : **£135**
eBook: 978-1-315-10635-9
* For **full contents** and more information, visit: **www.routledge.com/9781138093898**

Foundations in Sound Design for Interactive Media

A Multidisciplinary Approach



Edited by **Michael Filimowicz** Simon Fraser University, Canada

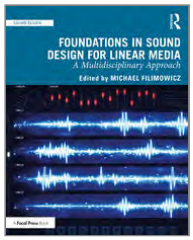
Series: Sound Design

A comprehensive introduction to foundational topics in sound design for interactive media, such as gaming and virtual reality; compositional techniques; new interfaces; sound spatialization; sonic cues and semiotics; performance and installations; music on the web; augmented reality applications; and sound producing software design. The reader will gain a broad understanding of the key concepts and practices that define sound design for its use in computational media and design. Designed as a textbook for students and teachers, as a handbook for researchers in sound, design and media, and as a survey of key trends and ideas.

Routledge
June 2019 : 388pp
Pb: 978-1-138-09394-2 : **£47.99**
Hb: 978-1-138-09393-5 : **£135**
eBook: 978-1-315-10634-2
* For **full contents** and more information, visit: **www.routledge.com/9781138093942**

Foundations in Sound Design for Linear Media

A Multidisciplinary Approach



Edited by **Michael Filimowicz** Simon Fraser University, Canada

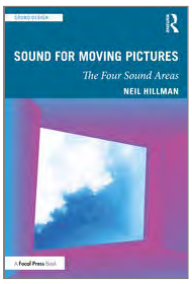
Series: Sound Design

A comprehensive introduction to foundational topics in sound design for linear media, such as listening and recording; audio postproduction; key musical concepts and forms such as harmony, conceptual sound design, electronica, soundscape, and electroacoustic composition; the audio commons; and sound's ontology and phenomenology. The reader will gain a broad understanding of the key concepts and practices that define sound design for its use with moving images as well as important forms of composed sound. Designed as a textbook for students and teachers, as a handbook for researchers in sound, media and experience, and as a survey of key trends and ideas.

Routledge
June 2019 : 436pp
Pb: 978-1-138-09396-6 : **£47.99**
Hb: 978-1-138-09395-9 : **£135**
eBook: 978-1-315-10633-5
* For **full contents** and more information, visit: **www.routledge.com/9781138093966**

Sound for Moving Pictures

The Four Sound Areas



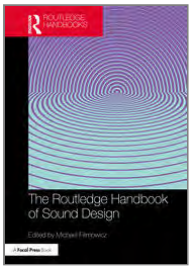
Neil Hillman

Series: Sound Design

Sound for Moving Pictures presents a new and original sound design theory called the Four Sound Areas framework, offering a conceptual template for constructing, deconstructing, and communicating all types of motion picture soundtracks; and a way for academics and practitioners to better understand and utilize the deeper, emotive capabilities available to all filmmakers through the thoughtful use of sound design. This book also provides valuable insight for others interested in the subject; such as those involved with teaching soundtrack analysis, or those researching the wider topics of film studies and screen writing.

Focal Press
April 2021 : 220pp
Pb: 978-0-367-51778-6 : **£35.99**
Hb: 978-0-367-51779-3 : **£135**
eBook: 978-1-003-05518-1
* For **full contents** and more information, visit: **www.routledge.com/9780367517786**

The Routledge Handbook of Sound Design



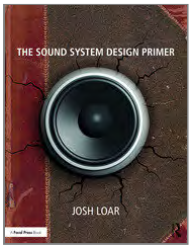
Edited by **Michael Filimowicz** Simon Fraser University, Canada

Series: Sound Design

The Routledge Handbook of Sound Design offers a comprehensive overview of the diverse contexts of creativity and research that characterize contemporary sound design practice. Readers will find expansive coverage of sound design in relation to games, VR, globalization, performance, soundscape, and feminism, amongst other fields. Collectively, the chapters illustrate the robustness and variety of contemporary sound design research and creativity, making this book essential reading for students, teachers, researchers, and practitioners working on sound design in its many forms.

Focal Press
October 2024 : 372pp
Hb: 978-1-032-35147-6 : **£215**
eBook: 978-1-003-32556-7
* For **full contents** and more information, visit: **www.routledge.com/9781032351476**

The Sound System Design Primer



Josh Loar

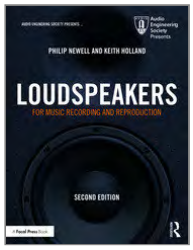
The Sound System Design Primer is an introduction to the many topics, technologies, and sub-disciplines that make up contemporary sound systems design. Written in clear, conversational language for those who do not have an engineering background, or who think more in language than in numbers, The Primer provides a solid foundation in this expanding discipline for students, early-/mid-career systems designers, creative/content designers seeking a better grasp on the technical side of things, and non-sound professionals who want/need to be able to speak intelligently with sound system designers.

Routledge
March 2019 : 610pp
Pb: 978-1-138-71688-9 : **£68.99**
Hb: 978-1-138-71687-2 : **£145**
eBook: 978-1-315-19681-7
* For **full contents** and more information, visit: **www.routledge.com/9781138716889**

2ND EDITION

Loudspeakers

For Music Recording and Reproduction



Philip Newell , Keith Holland

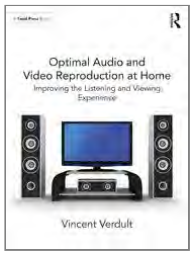
Series: Audio Engineering Society Presents

Loudspeakers: For Music Recording and Reproduction is a practical guide, offering the tools and understanding needed to cut out the guess work of speakers choice and set up. The authors combine their years of experience in the design, application and use of loudspeakers to cover a range of topics from cabinets, crossovers, to frequencies, and surround sound. If you inspire to improve your music preproduction system this book will help you make the right. This new edition provides significant updates on the topics of digital controls, calibrations, amplifiers, and cinema.

Routledge
November 2018 : 520pp
Pb: 978-1-138-55482-5 : **£71.99**
Hb: 978-1-138-55480-1 : **£135**
eBook: 978-1-315-14920-2
* For **full contents** and more information, visit: **www.routledge.com/9781138554825**

Optimal Audio and Video Reproduction at Home

Improving the Listening and Viewing Experience



Vincent Verdult

This book is a comprehensive guide that will help every reader set up a modern audio-video system in a small room such as a home theatre or studio control room. The book provides a complete overview, starting with the terminology of sound and image quality. Then the reader will be fully prepped in program material, equipment and all the necessary components, accompanied by concrete advice on set up, optimal reproduction, budget, troubleshooting, aesthetics, and much more. Detailed, easy-to-grasp explanations of the underlying principles ensure the reader will make the right choices, find alternatives, and separate the rigid from the more flexible requirements to achieve the best possible

Routledge
April 2019 : 356pp
Pb: 978-1-138-33538-7 : **£49.99**
Hb: 978-1-138-33541-7 : **£145**
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* For **full contents** and more information, visit: **www.routledge.com/9781138335387**

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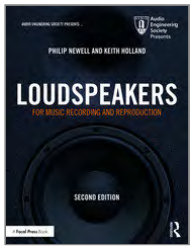

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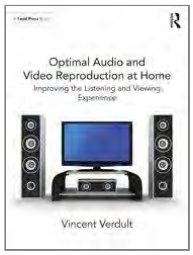

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eBook: 978-0-429-44380-0
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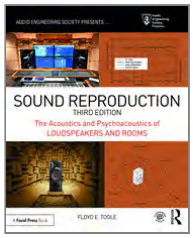
3RD EDITION

Sound Reproduction

The Acoustics and Psychoacoustics of Loudspeakers and Rooms



Floyd Toole

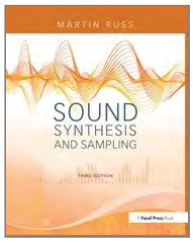
Series: Audio Engineering Society Presents

Sound Reproduction: The Acoustics and Psychoacoustics of Loudspeakers and Rooms, Third Edition explains the physical and perceptual processes that are involved in sound reproduction and demonstrates how to use the processes to create high quality listening experiences in stereo and multichannel formats. Understanding the principles of sound production is necessary to achieve the goals of sound reproduction in spaces ranging from home listening rooms to large cinemas. This revision brings new science-based perspectives on the performance of loudspeakers, room acoustics, measurements, and equalization.

Routledge
August 2017 : 514pp
Pb: 978-1-138-92136-8 : **£59.99**
Hb: 978-1-138-92137-5 : **£180**
eBook: 978-1-315-68642-4
* For **full contents** and more information, visit: **www.routledge.com/9781138921368**

3RD EDITION

Sound Synthesis and Sampling



Martin Russ

Explains how sound synthesis works, in-depth background about acoustic and synthesis techniques

Routledge
November 2008 : 584pp
Hb: 978-0-240-52105-3 : **£130**
eBook: 978-0-080-92695-7
* For **full contents** and more information, visit: **www.routledge.com/9780240521053**

Immersive Sound

The Art and Science of Binaural and Multi-Channel Audio

Edited by **Agnieszka Roginska , Paul Geluso**

Series: Audio Engineering Society Presents

Immersive Sound provides a comprehensive guide to multichannel sound. With contributions from leading recording engineers, researchers, and industry experts, it includes an in-depth description of the physics and psychoacoustics of spatial audio as well as practical applications. Chapters include the history of 3D sound, binaural reproduction, wavefield synthesis, and multichannel mixing techniques. Knowledge of the development, theory, and practice of spatial and multichannel sound is essential to those advancing the research and applications in the rapidly evolving fields of 3D sound recording, augmented and virtual reality, gaming, film sound, music production and post-production.

Routledge
October 2017 : 378pp
Pb: 978-1-138-90000-4 : **£86.99**
Hb: 978-1-138-90001-1 : **£180**
eBook: 978-1-315-70752-5
* For **full contents** and more information, visit: **www.routledge.com/9781138900004**

2ND EDITION

Mixing Secrets for the Small Studio

Mike Senior

Series: Sound On Sound Presents...

This bestselling book is a self-contained music mixing primer for small studio producers who want to fast-track to release-quality results. Information in this book is based on documented studio techniques from the world's top producers, but the information is adapted to serve low-budget environments. The second edition of this popular book offers fresh coverage of all the technology advances plus copious online audio and video tutorials. The book is ideal for any studio professional or educational program.

Routledge
August 2018 : 444pp
Pb: 978-1-138-55637-9 : **£44.99**
Hb: 978-1-138-55636-2 : **£140**
eBook: 978-1-315-15001-7
* For **full contents** and more information, visit: **www.routledge.com/9781138556379**

2ND EDITION

Modern MIDI

Sequencing and Performing Using Traditional and Mobile Tools

Sam McGuire University of Colorado, Denver, CO; Appalachian State University, Boone, NC.

Modern MIDI equips you with everything you need to use MIDI in your music productions. With a particular focus on practical application and step-by-step explanations, this book does far more than tell you about how MIDI works. Simple explanations and real-world scenarios encourage you to test out the techniques for yourself. The second edition builds on the first, making sequencing approachable for absolute beginners, reinforcing the fundamentals of MIDI and expanding the coverage into new mobile technology and vintage gear. Essential reading for beginners from all backgrounds, including students, professionals and experienced users looking to develop their existing setups.

Routledge
August 2019 : 442pp
Pb: 978-1-138-57877-7 : **£45.99**
Hb: 978-1-138-57874-6 : **£155**
eBook: 978-1-351-26384-9
* For **full contents** and more information, visit: **www.routledge.com/9781138578777**

3RD EDITION

Music Production

Learn How to Record, Mix, and Master Music

Hans Weekhout

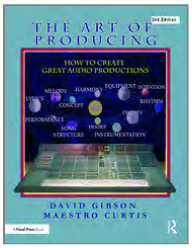
Music Production: Learn How to Record, Mix, and Master Music will teach you how to record, mix, and master music. With accessible language for both beginner and advanced readers, the book contains countless illustrations, includes tips and tricks for all the popular digital audio workstations and provides coverage of common plugins and processors. Also included is a section dedicated to mastering in a home studio. With hundreds of tips and techniques for both the starting and advanced music producer, this is your must-have guide.

Routledge
June 2019 : 394pp
Pb: 978-1-138-62610-2 : **£58.99**
Hb: 978-1-138-62609-6 : **£135**
eBook: 978-0-429-45950-4
* For **full contents** and more information, visit: **www.routledge.com/9781138626102**

2ND EDITION

The Art of Producing

How to Create Great Audio Projects



David Gibson , Maestro Curtis

This book tells you everything you need to know about becoming a producer. It explains the role of the producer across executive, musical, and engineering job types so you know what to expect, and it also covers how to sell yourself as a producer within different working environments. The book includes a nuts-and-bolts guide to analysing music from the pre-production standpoint including a special emphasis on the creative process, as well as explaining in technical detail what happens once the music hits the studio. This book also covers essentials like finance and copyright. Written in a fun and accessible way, the text includes lots of visuals and checklists to aid the reader.

Routledge
February 2019 : 254pp
Pb: 978-0-815-36938-7 : **£39.99**
Hb: 978-0-815-36939-4 : **£135**
eBook: 978-1-351-25246-1
* For **full contents** and more information, visit: **www.routledge.com/9780815369387**

4TH EDITION

The MIDI Manual

A Practical Guide to MIDI within Modern Music Production

David Miles Huber Freelance Recording Engineer; Consultant; Contributor, EQ magazine, Seattle, WA, USA

Series: Audio Engineering Society Presents

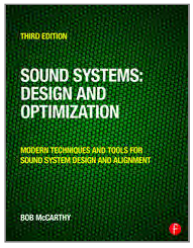
The MIDI Manual: A Practical Guide to MIDI within Modern Music Production is a complete reference on MIDI. Written by David Miles Huber (a 4X Grammy-nominated musician, producer and author), this best-selling guide provides a clear explanation of what MIDI 1.0 and 2.0 is, acting as a guide for electronic instruments, the DAW, MIDI sequencing and how to make best use of them. You will learn how to set up an efficient MIDI system and how to get the most out of your production room and ultimately … your music. Illustrated throughout with helpful photos and screenshots, this new edition is the most readable and clearly explained book on MIDI available.

Routledge
October 2020 : 290pp
Pb: 978-0-367-54998-5 : **£32.99**
Hb: 978-0-367-54997-8 : **£135**
eBook: 978-1-315-67083-6
* For **full contents** and more information, visit: **www.routledge.com/9780367549985**

3RD EDITION

Sound Systems: Design and Optimization

Modern Techniques and Tools for Sound System Design and Alignment



Bob McCarthy

Become a sound system optimization expert with Bob McCarthy's Sound Systems: Design and Optimization, the only book covering this emerging field. The third edition is a readable guide that will ensure readers to achieve flawless sound reinforcement and optimized design. Packed with clear color illustrations, screenshots, and diagrams, this award-winning book helps to: Gain proficiency in exciting new techniques for the dual channel FFT analyser Fully grasp the theory and practice of modern speaker array construction, including a chapter of case studies Learn to make better design and optimization decisions by understanding how audiences perceive reinforced sound

Routledge
March 2016 : 600pp
Pb: 978-0-415-73101-0 : **£81.99**
Hb: 978-0-415-73099-0 : **£190**
eBook: 978-1-315-84984-3
* For **full contents** and more information, visit: **www.routledge.com/9780415731010**

2ND EDITION

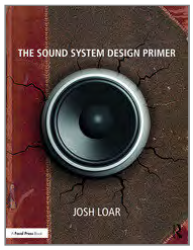
The Design of Active Crossovers

Douglas Self

Active crossovers are used by almost every sound reinforcement system and every recording studio monitoring set-up; but the use of active crossovers is rapidly expanding. This new edition, presents all the updates to loudspeaker technology and crossover design. The edition expands on loudspeaker configurations and design issues, sound reinforcement issues, more on lowpass and highpass filters, and may other filters. This new edition is a must read for anyone wanting comprehensive practical knowledge.

Routledge
April 2018 : 698pp
Pb: 978-1-138-73303-9 : **£76**
Hb: 978-1-138-73302-2 : **£155**
eBook: 978-1-315-18789-1
* For **full contents** and more information, visit: **www.routledge.com/9781138733039**

The Sound System Design Primer



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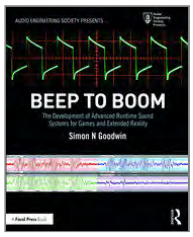
Hb: 978-1-138-71687-2 : **£145**
eBook: 978-1-315-19681-7
* For **full contents** and more information, visit: **www.routledge.com/9781138716889**

Beep to Boom

The Development of Advanced Runtime Sound Systems for Games and Extended Reality



Simon Goodwin

Series: Audio Engineering Society Presents

Written by an expert, this book is a rigorous, comprehensive guide to interactive audio runtime systems. Packed with practical examples and insights, the book explains each component of these complex geometries of sound. Using practical, lowest-common-denominator techniques, it covers soundfield creation across a range of platforms from phones through to VR gaming consoles. Whether creating an audio system from scratch or building on existing frameworks, the book also explains costs, benefits, and priorities. Interactive audio in the dynamic simulated world of games is becoming almost as complicated as the real world of sound. This book will explain how and why to tame it enjoyably.

Routledge
February 2019 : 294pp
Pb: 978-1-138-54390-4 : **£61.99**
Hb: 978-1-138-54391-1 : **£165**
eBook: 978-1-351-00554-8
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