



Handbook of Sound Studio Construction: Rooms for Recording and Listening (Electronics)

By Ken Pohlmann

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Handbook of Sound Studio Construction: Rooms for Recording and Listening (Electronics) By Ken Pohlmann

Build first-class recording studios and listening spaces

Design and build your own audiophile-grade recording and playback environments using proven, cost-effective plans and techniques. *Handbook of Sound Studio Construction: Rooms for Recording and Listening* explains practical acoustical properties and describes how to engineer acoustically sensitive spaces, including music recording studios, control rooms, voice studios, home project studios, A/V suites, media rooms, and surround-sound home theaters.

Learn how to choose room dimensions, select building materials, construct your own custom treatments, maximize isolation, and generate and analyze response curves. This do-it-yourself guide incorporates decades of room design experience and provides you with the practical knowledge to design and build your own acoustical spaces or improve existing spaces.

Coverage includes:

- An introduction to room acoustics and acoustical design
- Reflecting, absorbing, and diffusing materials
- Room geometry, modes, and treatment
- Acoustic isolation, site selection, and HVAC design
- Wall, floor, and ceiling construction
- Window and door design considerations
- Reverberation times, early reflections, and psychoacoustics
- Objective and subjective room evaluation
- Plans and specifications for 10 recording and listening rooms

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Editorial Review

About the Author

Ken Pohlmann is professor emeritus and former director of the Music Engineering programs at the University of Miami. He is a consultant for audio manufacturers in technology development and patent litigation. Pohlmann has authored or co-authored numerous books, including *Principles of Digital Audio* and *Master Handbook of Acoustics*, both for McGraw-Hill. He is a monthly contributor to *Sound & Vision* magazine and has written over 2,500 articles and test reports for magazines and journals. Pohlmann chaired the Audio Engineering Society's International Conference on Digital Audio, and co-chaired the International Conference on Internet Audio. He consults for companies such as Bertlesmann Music Group, Cirrus Logic, Ford, Fujitsu, Harman International, Hughes Electronics, Hyundai, IBM, Daimler-Chrysler, Lexus, Microsoft, Nippon Columbia, Philips, Sony, Time Warner, and Toyota.

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