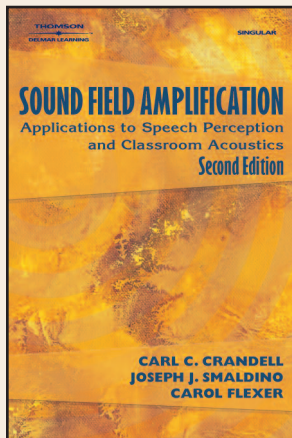


Sound Field Amplification: Applications to Speech Perception and Classroom Acoustics, 2E



By Carl C. Crandell, Ed.D. and Carol Flexer, Ed.D.

This book takes a straightforward and comprehensive approach to providing a solid foundation on the effects of acoustics on learning. Also included is information on conducting sound surveys, funding sources for amplification systems, and updated laws and regulations on acoustics. This second edition comes 10 years after the first.

According to the authors, the purpose is to provide a comprehensive and cohesive text/handbook on the use of small FM/infrared sound field systems. There is also a focus on speech perception and classroom acoustics, as well as enriched theory and practical applications. The authors have met their objectives and compiled a book that addresses selection, installation, use and maintenance of sound field equipment, as well as how to manage classroom acoustics and students' listening skills.

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soft cover

It is intended to be used by a wide range of individuals -- students, professionals, consumers -- who might benefit from sound field amplification systems as well as those who desire information about speech perception and classroom acoustics. The authors are nationally-recognized experts in the field of speech perception, acoustics and sound field systems.

This book divides the theoretical foundation from the practical issues surrounding sound field amplification. In this way, one can obtain a thorough theoretical understanding necessary for the appropriate utilization of sound field technology. Theoretical chapters in Section A take us from the rationale for using sound field systems in classrooms to understanding speech perception processes in children to the effects of classroom environment on speech perception. Section B looks at practical applications, including updated information on the new laws and acoustic standards, a how-to-guide on taking acoustic measurements, acoustical modifications for conforming to desirable acoustic conditions, installing a sound field system, enhancing listening skills for students and teachers alike, measuring efficacy post-installation, marketing and obtaining funding. New to this edition is information on new laws and regulations, updated technology and ANSI standards, and case studies with practical examples.

The authors have compiled a thorough, user-friendly text and handbook that will be a benefit to any audiologist, teacher, or parent concerned about classroom acoustics. New features in this second edition are Key Points and Discussion Topics at the end of each chapter, which help to highlight the main ideas of each chapter and promote critical thinking. Understanding the speech-perception process and acoustic accessibility is critical today, given the "No Child Left Behind" mandate for educational standards.

- Doody's Review

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