

Cambridge Sound Management, LLC, located in Cambridge, Massachusetts, is the developer of *Qt Quiet technology™*, a series of low-voltage distributed audio products for sound masking, paging and music.

We have a distinguished heritage in the field of acoustics. In 1999, acousticians and engineers from Acentech Inc. licensed masking patents and intellectual property to Cambridge Sound Management, LLC. Acentech is the direct descendant of the highly regarded Bolt, Beranek and Newman's acoustics-consulting group that was founded in 1948. This group of distinguished acousticians received the American Institute of Architects Honor Award as recognition for having "...created an awareness of acoustical considerations in building design... and integrating solutions based on scientific principles with architectural and artistic concepts."

Today, a select group of worldwide partners that includes a network of manufacturers, resellers, systems integrators and installers provide configuration and installation expertise to thousands of customers of *Qt Quiet technology™* systems. These systems are deployed in millions of square feet of excellent workspace. Installations range from modest offices to large, leading-edge workspaces. Applications range from improving productivity in open work areas to ensuring privacy in settings such as healthcare offices or executive areas.

History

Our accomplished acousticians have been involved with all three generations of sound masking technology.

First generation commercial sound masking systems were introduced to the market by BBN (circa 1965) and used plenum-based speakers that required significant system design and complex post-installation measurements and adjustments. Speakers were mounted to the deck, above the ceiling tiles, producing a sound field between the ceiling tiles and the deck that ultimately transmitted to the office space below. Heating ducts, piping and walls that extended to the deck all required consideration during design, installation and tuning. In addition, the sound would overflow to spaces where sound masking was not desired.

Second generation systems (circa 1975) delivered by BBN and Acentech placed paint can-sized speakers with integrated electronics in the plenum. Early designs required installers to go up into the plenum to tune each speaker. Subsequent designs eliminated this inconvenience with programmable head-end equipment, but did not eliminate the complexities of design, the overflow problem or the need for costly post-installation adjustments.

These first and second generation systems are still available.

State of the Art

Qt Quiet technology™ systems are the newest generation of sound masking and distributed audio technology. *Qt Quiet technology™* sound masking systems use miniature, plug-and-play emitters installed directly in the targeted space. This approach greatly simplifies the design and installation process and completely eliminates the need for post-installation tuning. Direct-field, ceiling-mounted speakers provide more uniform sound coverage and prevent any overflow of sound into unintended spaces. Our direct-field approach also requires significantly less power than any plenum-based sound masking system and is the only Greenspec® approved distributed audio system.

We've recently added high-tech resources to our solid acoustic team, advancing *Qt Quiet technology™* products to yet another level. Our newest distributed audio platform features digital technology and an intuitive software interface. These innovations allow *Qt Quiet technology™* users access a multitude of features, including the ability to control and monitor systems from an Internet browser.

Qt Quiet technology™ is a superior distributed audio system for sound masking, paging and music distribution in a turnkey package.