

The AccuMask™ System

The AccuMask™ Sound Masking System consists of a series of speakers, typically installed above the suspended ceiling, which distribute a comfortable, engineered background sound that makes noises and conversations more difficult – or impossible – to hear or understand.

The System is based on the internationally-successful Scamp® Sound Masking System manufactured by K.R. Moeller Associates Ltd. for over 20 years. The company redesigned its components to include digital technologies that increase precision and flexibility, enhancing the strengths of the original product line.

This superior, low-cost system fills a significant gap in the industry. Though the AccuMask System does not have the advanced capabilities of the LogiSon® Acoustic Network, it is the leading performer among more basic masking solutions, a category that includes large-zone centralized systems, direct field systems, decentralized systems, and workstation products.

Decentralized masking sound generation, a range of adjustment options, independent masking and paging controls, and small zone sizes allow the AccuMask System to be uniquely tuned to each environment. The System offers high masking uniformity with only 1dBA (+/- 0.5dBA) volume variation, and is not subject to phasing.

The settings of individual Masters are managed digitally using the Remote Control, providing greater accuracy, consistency and ease of use than any other system in this class, enhancing the quality and effectiveness of the masking sound, as well as the comfort of workplace occupants. If required, global or large-zone volume changes can be made on demand with the Central Volume Control or automatically using the Programmable Timer.

Partial Client List

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Allstate Insurance
American Express
American Red Cross
AT&T
Bell Canada
Blue Cross / Blue Shield
Canon Inc.
Deloitte & Touche
Dow Corning
Dow Jones & Company
Du Pont
Ernst & Young
Esso Petroleum Canada
General Electric
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IBM Corporation
Intel
Kodak Canada Inc.
KPMG
Manulife Financial
Master Charge
MCI Telecommunications
MDS Health Group Limited
Mobil Oil Limited
Motorola
Netscape
Nortel
PeopleSoft
Pepsi-Cola
Philips
Royal Bank of Canada
Shell Canada Ltd.
Steelcase
United Parcel Service
Westinghouse
Xerox

AccuMask™
SCAMP® SOUND MASKING

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(North America only)

Patents pending in U.S., Canada and other jurisdictions.
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Create Acoustic Comfort®

AccuMask™
SCAMP® SOUND MASKING



The High-Performance Workplace

Your facility is a powerful tool that can significantly contribute to your organization's success. Attention to relatively inexpensive elements of its design can yield lasting benefits in terms of employee productivity and job satisfaction.

While several environmental factors, including temperature, lighting and air quality are generally recognized to affect workplace performance, research indicates that proper acoustics must also be a top design priority. Noise problems and lack of speech privacy affect employees' comfort and concentration, increasing error rates, slowing task performance, and reducing morale.

Creating Effective Acoustics

In attempting to address acoustical problems such as these, many organizations invest in absorptive panels, carpeting, acoustic ceiling treatments, quieter HVAC systems and office equipment. Though these materials are essential, they reduce not only unwanted noises, but also beneficial background sounds. Just like in a library, the enlarged difference between the volume of speech or noise and the low background sound level causes occupants to become distracted and allows conversations to be overheard over long distances and between private offices.



All speaker models are UL-listed and available in both plenum and ceiling mount formats. Because the AccuMask System is decentralized, all of the electronics required for sound masking, paging and music are contained within each **Master** speaker rather than a centrally-located equipment rack. The masking volume and contour can be set at each Master, yielding adjustment zones of 1 to 3 speakers (225 to 675 ft²). Such small zones allow the System to be tuned to local variations in acoustical conditions or occupant needs. The masking volume can be adjusted in precise 0.5dBA increments over a 45dBA range, while 100 preset curves provide fine masking spectrum adjustments. Up to two **Satellite** speakers can be connected to each Master and reproduce its output.

The **Central Volume Control** speaker permits users to globally adjust the volume over a 20dBA range. This feature allows users to make efficient changes when the volume level of a large number of speakers must be raised or lowered by an equal amount. An analog switch can be wall-mounted for convenient access. This speaker also includes an Integrated Ramp-Up feature used when the AccuMask System is installed in an occupied facility. It introduces the masking sound at a level that is 10dBA lower than the target volume. The volume automatically increases over a two-week period, allowing occupants to acclimatize to their new acoustical conditions.



In order to ensure that the masking is loud enough to be effective during busy times and low enough to be comfortable at quieter times, the **Programmable Timer** is used to schedule the masking volume to match anticipated activity levels throughout the day. The Timer is calendar-based and automatically adjusts for daylight savings. It offers four independent zones. Each zone, and each day of the week, can be programmed with a unique schedule that initiates up to nine volume changes per day. The rate of change can be gradual or rapid. In order to ensure that the desired results are achieved, the user can activate the Test Levels feature to immediately experience the masking levels that would be attained with a specific setting. The Timer also includes a customizable Ramp-Up feature, which allows a fully user-defined schedule to be programmed for each zone.



The output of the speakers is managed using a **Remote Control**. Users can enter a specific volume setting or gradually adjust levels up or down. Spectrum adjustments are also digitally controlled using a range of 100 preset curves, allowing a particular contour level to be consistently set across all of the speakers in the System. The audible readout function indicates the exact masking and paging settings used. No other entry-level sound masking system provides such flexible and precise management of settings. All of the settings are stored in non-volatile memory to ensure that they are maintained in the event of a power failure.

Installation Versatility

The AccuMask System is highly scalable, providing a cost-effective way of addressing acoustical issues in both new and existing facilities of any size, without large-scale remodeling. In the event that your organization moves, the System can easily be relocated to your new premises.

Paging Features

The AccuMask System provides simultaneous paging and music distribution, eliminating the need for a second system to be installed. Because the sound generation, amplification and equalization technology is integrated into the Masters, the System also reduces the need for third party audio equipment.

Each Master features an independent paging volume control, providing zones of 1 to 3 speakers (225 to 675 ft²) that can be adjusted by 8 levels of 2dBA each. This feature allows the user to set the paging to a level that is appropriate for particular areas within the facility. The user can also digitally enable or disable the paging at each Master using the Remote Control, rather than physically connecting or disconnecting the speaker from the paging cable as required by other entry-level systems.

System Security

In order to minimize the risk of tampering, the AccuMask System is equipped with several security features. The cable connections to each zone are made within the Programmable Timer's enclosure. The enclosure is key-locked and the controls are password-protected. The Masters do not have external physical controls and cannot be adjusted without the Remote Control. The user must enter an Activation Code prior to modifying any settings.

Client Services

Our representatives bring expertise from numerous facility-related fields and will work with you to find the optimal acoustic solution. Client services include site inspection, system design, installation, tuning, maintenance, and relocation. Though installation can be handled by a third party or your own electrical contractor, system tuning must be completed by one of our qualified representatives because training is required to ensure the best results. Please visit our website to obtain current contact information.

Additional Cost Savings

Early incorporation of the AccuMask System into a project can reduce construction costs and help preserve the flexibility of your space for future renovations and changes. In open plan spaces, the System can help maintain a level of acoustical control as density increases and workstation partitions become lower.

The AccuMask System can also reduce, but not necessarily eliminate, the need for other acoustic treatments.

But for cost justification, consider the value of an uninterrupted hour of work. In fact, the System is likely to be one of the smallest investments you will make in your facility, but one that will continue to provide benefits throughout its life-cycle, including:

- Increased speech privacy
- Reduced noise disruptions
- Improved concentration
- Increased productivity



* These components are compatible with the Scamp® Sound Masking System. Packaging and components are recyclable.