

BOGEN®

SOUND MASKING APPLICATION SOLUTION

NYQUIST™
IP-BASED PAGING

Improve Privacy



Increase Productivity



Increase Performance



Improve Comfort



Bogen Sound Masking

Effective sound masking reduces intelligibility for unintended listeners, improving conversation **privacy**, and allows people to better concentrate on their work with fewer noticeable audio distractions like clicking pens or typing on keyboards. An effective sound masking system will also increase **productivity** and **performance**, as well as improve **workplace comfort** by delivering a substantial reduction of conversational and audio distractions.

Privacy needs often vary throughout the day and week. As such, Nyquist's Sound Masking facilitates dedicated, individually "tuned" zones (e.g., room/space centric), with schedulable, routines-based control of sound masking operations, including:

- ✓ **Enable/disable zone(s)**
- ✓ **Ramping**
- ✓ **Output-Gain (volume)**

Upon initial exposure to sound masking, people may require time to acclimate to the ambient background sound. Nyquist facilitates this process by playing the masking sound at a lower level and gradually increasing (i.e., ramping) to the final level over a masking zone-specific number of days, giving people time to slowly adjust to the addition of unobtrusive sound generated by the sound masking system.

For similar reasons, even after the initial ramping period, it may be helpful to gradually increase and decrease the masking sound levels at the beginning and ending of each exposure period. This gradual volume increase and decrease can be accomplished by using Nyquist's scheduled routines.

While Nyquist mutes Sound Masking during Emergency-All-Call or Emergency Announcements/Tones, it is not muted for normal paging or announcements, or for an Emergency Announcement or Alarm that is being played to a specific zone. Once the Emergency-All-Call has completed, the masking sound will be automatically ramped up to its configured level.

Where Is Sound Masking Being Used?

Privacy sound masking can protect sensitive information and provide a more pleasant atmosphere in diverse environments such as:



Corporate



Education



Hospitality



Legal



Healthcare (HIPAA)



Financial (GLBA)



Govt. & Military

or **any office/space - anywhere** that needs more speech privacy and fewer distractions.

INTRODUCING NYQUIST SOUND MASKING

◎ Bogen Lineup

Sound Masking is an integral, yet optional feature of Bogen's **Nyquist Paging and Intercom Solutions**. The masking sound configuration and control is managed within the Nyquist system's Web user interface and requires dedicated **Nyquist audio power amplifiers** and **sound masking speakers** for implementation.

Nyquist Audio Power Amplifiers



**Nyquist 2-Channel
Audio Power Amplifiers**

NQ-A2060-G2 / A2120-G2 / A2300-G2



**Nyquist 4-Channel
Audio Power Amplifiers**

NQ-A4060-G2 / A4120-G2 / A4300-G2

Sound Masking Speakers



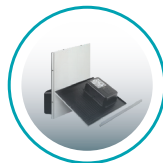
**Suspended Ceiling Grid
Sound Masking Speaker**

NQ-SMS1810-SCG



**Variable Firing
Sound Masking Speaker**

NQ-SMS1810-VF



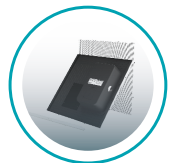
**70V/25V Drop-In
Ceiling Speakers**

CSD2X2 / CSD2X2VR



**70V/25V Drop-In
Ceiling Speakers**

CSD1X2 / CSD1X2VR



**8-ohm/70V/25V
Drop-In Ceiling
Speaker**

CSD2X2U-V2



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