

Revolutionary Paging Speaker Technology

Have you ever worked in an industrial facility where the paging speaker were either so unintelligible that it was a nuisance, or so loud that you had to stuff a rag in the horn to mute the sound? Have you ever been in a noisy airport or train station, unable to discern information on arrivals and departures? Most critically, what if your life or your child's life depended on hearing an important announcement about severe weather, or a serious campus incident?

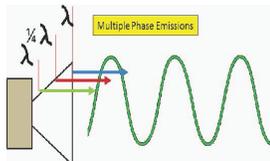
Seacom introduces the *Bogen Mass Notification Planar Paging Speaker Series*, a technology so revolutionary that it is getting the attention of campuses, law enforcement entities and industrial facilities all over the Richmond metro area.



Let us examine how a standard cone-shaped speaker functions:

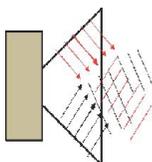
1

The conical shape of the cone results in multiple phase emissions:



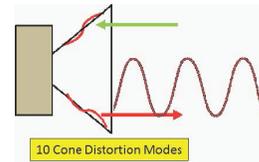
2

Further perpendicular phase collisions take place:



3

Due to the rocking mode of the voice coil up to 10 distortion modes may also happen:

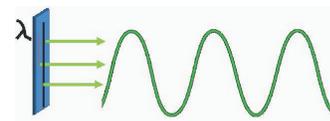


In many cases, this inefficiency results in only about 10% of the speaker's information being processed by the human brain. This is why you can't hear a typical paging speaker well in a noisy area.

Bogen's MN is a "planar" speaker. In other words, the driver is perfectly flat. It suffers from none of these drawbacks. So what happens when 100% of the information coming from this speaker is information that our brains can use?

4

A Clear Voice MN™ driver on the other hand produces a single, perfectly shaped sound wave and can as a result achieve a much higher intelligibility than a standard speaker can reach and can be heard and understood over far greater distances. Since the Clear Voice MN™ driver provides 100% intelligible information it does not need to be as loud as a cone speaker:



Seacom has demonstrated that the MN can be heard with equal clarity from right in front of the speaker up to 600 ft. away – two football fields! Call today and ask for a demonstration.

Applications

- :: Industrial
- :: Airports, Bus and Train Stations
- :: Police Crowd Control
- :: College and School Campuses
- :: Warehousing
- :: Any Emergency Mass Notification Scenario



Call **SEACOM** today and ask for a demonstration!
COMMUNICATION SYSTEMS

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