

SELF-AMPLIFIED SURFACE-MOUNT SPEAKERS

Easy Install® Ceiling Speakers

ASM1

Bogen's Self-Amplified Easy Install Speakers can be installed in a ceiling tile in less than a minute in any drop ceiling with standard ceiling tiles. Installation is a simple, three-step process that requires no tools. Simply pierce the ceiling tile with the specially-designed studs, use wing nuts to secure the speaker to the ceiling, and fasten wire nuts to make the 24V DC power and audio connections.



Product Features:

- Installs in less than a minute
- No-tool installation eliminates need to cut ceiling tiles
- Built-in 1-watt amplifier
- Direct and reflected sound paths create wide dispersion angle
- Lightweight and durable, off-white plastic shell with paintable finish
- Contemporary, low-profile design
- O-ring seal prevents whistling and ensures smoother sound without peaks
- Front-mounted volume control
- Complies with NFPA National Code 160b for installation in plenums and other air handling spaces
- Complies with UL-2043

Refer to Speaker Quantity Chart on page 23.

Frequency Response	Maximum dBspl	Depth	Dimensions	Product Weight
125 Hz - 15 kHz	90	3" from tile surface	9-1/2" diameter	2 lb.



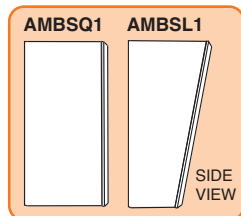
Metal Box Speakers

AMBSQ1, AMBSL1

Bogen's Self-Amplified Metal Box Speakers are available in two models, AMBSQ1 and AMBSL1, and are suitable for both ceiling and wall mounting.

Product Features:

- Rugged all-steel, surface-mounted, off-white painted enclosure
- Speaker front is available flat (AMBSQ1) or angled downward by 12.5 degrees for wall mounting (AMBSL1)
- Full-range 8" cone loudspeaker for excellent intelligibility
- Built-in volume control with detachable knob
- Self-contained 1-watt amplifier
- Wiremold® knockouts
- Mounting hardware included



Refer to Speaker Quantity Chart on pg. 23 for ceiling mount or chart on pg. 25 for wall mount.

Models	Front Panel Design	Frequency Response	Maximum dBspl	Dimensions	Product Weight
AMBSL1	Slant/Angle	110 Hz -15 kHz	92	11-5/8" W x 11-3/8" H x 5-3/8" D <i>(Top Dimension)</i> 11-5/8" W x 11-3/8" H x 3-1/8" D <i>(Bottom Dimension)</i>	9 lb.
AMBSQ1	Square/Flat	110 Hz -15 kHz	92	11-5/8" W x 11-5/8" H x 4-1/4" D	9 lb.

Wiremold® is a registered trademark of Wiremold/Legrand.

SELF-AMPLIFIED CEILING SPEAKERS

Drop-In Ceiling Speakers

ACD2X2, ACD2X2U 



Tile Support Rail (Included)

The **ACD2X2** full-range speaker is quick and easy to install. Simply wire it and drop it into place. This saves installation time, effort, and cost.

Now available in Bright White ("U" version) & Off-white

Product Features:

- 2' x 2' design fits into 2' x 2' and 2' x 4' suspended ceiling tile spaces (tile support rail included for 2' x 4' ceilings)
- Finely perforated grille covers entire front of speaker panel
- Fully enclosed, industrial-grade steel construction
- Front-mounted, recessed volume control
- Self-contained 1-watt amplifier
- 8" main cone speaker, with secondary cone
- Non-reflective finish, off-white (**ACD2X2**) or bright white (**ACD2X2U**)
- Listed to UL Standard 60065 for US & Canada
- Complies with UL-2043

Dimensions:	23-7/8" W x 5" H x 23-7/8" D
Product Weight:	12 lb. each

See page 30 to select a Power Supply.

Determine Speaker Quantity

Using the chart:

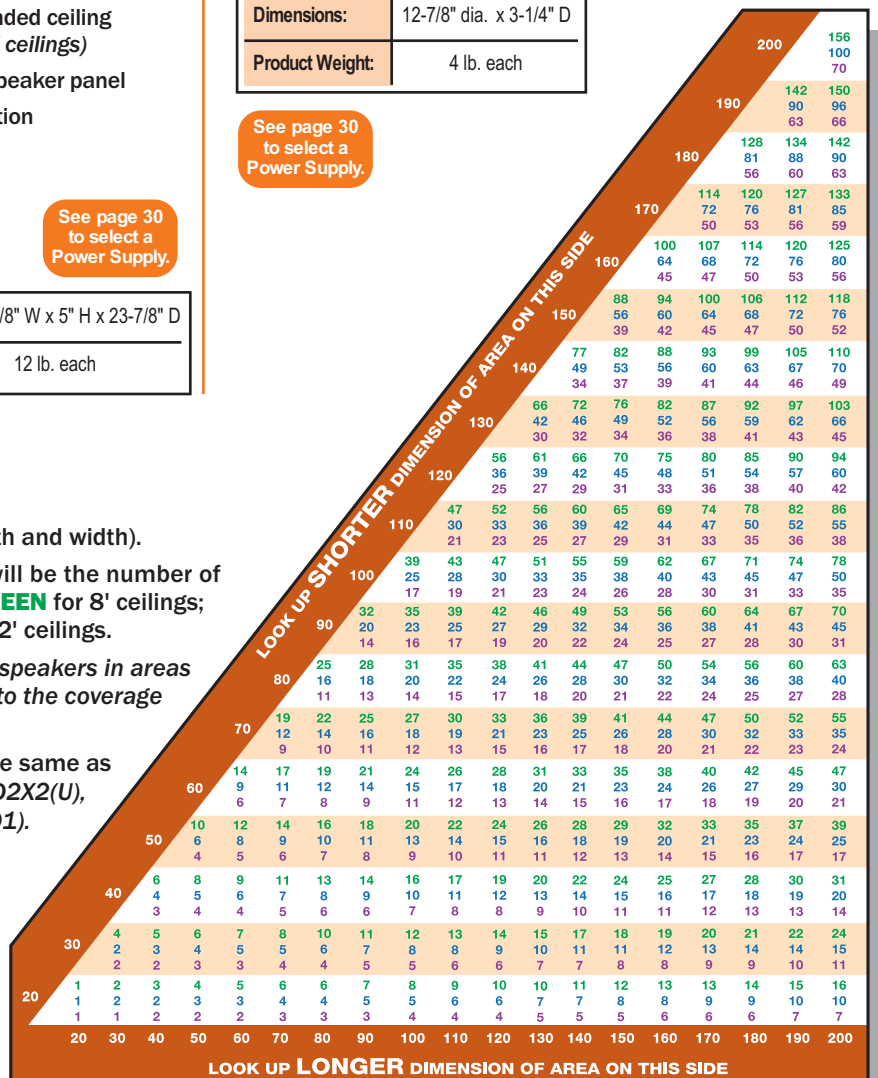
1. Locate the dimensions of the room (length and width).
2. Where these two measurements meet will be the number of speakers required. Use the number in **GREEN** for 8' ceilings; **BLUE** for 10' ceilings; and **PURPLE** for 12' ceilings.

(You may need to increase the number of speakers in areas where large objects or shelving project into the coverage area, blocking sound.)

3. The number of Current Units needed is the same as the number of speakers (**1W** models, **ACD2X2(U)**, **ASWG1/DK**, **ASUG1/DK**, **ASM1**, **AMBSL/Q1**).

Current Units (min.) = Number of Ceiling Speakers

GREEN for 8 ft. Ceiling
BLUE for 10 ft. Ceiling
PURPLE for 12 ft. Ceiling



Ceiling Speaker Assemblies

These traditional style, recessed ceiling speakers are available with a fixed or detachable volume control knob.





ASWG1, ASUG1

Product Features:

- 8" cone speaker
- Front-mounted volume control with knob (knob is detachable on "DK" versions)
- Steel grille with enamel finish, off-white ("W" versions) or bright white ("U" versions)
- Self-contained 1-watt amplifier
- 90° dispersion pattern

ASWG1DK, ASUG1DK
(w/detachable knob)

Now available in Bright White ("U" versions) & Off-white ("W" versions)

Accessories



RE84
Ceiling Enclosure



MR8
Mounting Ring

Dimensions:	12-7/8" dia. x 3-1/4" D
Product Weight:	4 lb. each

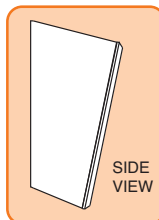
See page 30 to select a Power Supply.

SELF-AMPLIFIED WALL BAFFLE SPEAKERS

Wall Baffle Speakers

ASWB1

The ASWB1 Wall Baffle Speaker is an 8", cone-type loudspeaker, complete with a built-in amplifier and volume control, designed for telephone paging applications. It is engineered to provide excellent sound quality and trouble-free operation.



Product Features:

- Self-contained 1-watt amplifier
- Simulated walnut finish with black grille cloth on front
- Sloping front panel (13.5 degrees) provides enhanced downward dispersion
- Easy wall-mount installation (*mounting hardware included*)
- Built-in volume control
- 8" main cone speaker
- 90° dispersion pattern

Dimensions:	9-1/2" W x 9-1/2" H x 5-1/4" D
Product Weight:	4 lb.

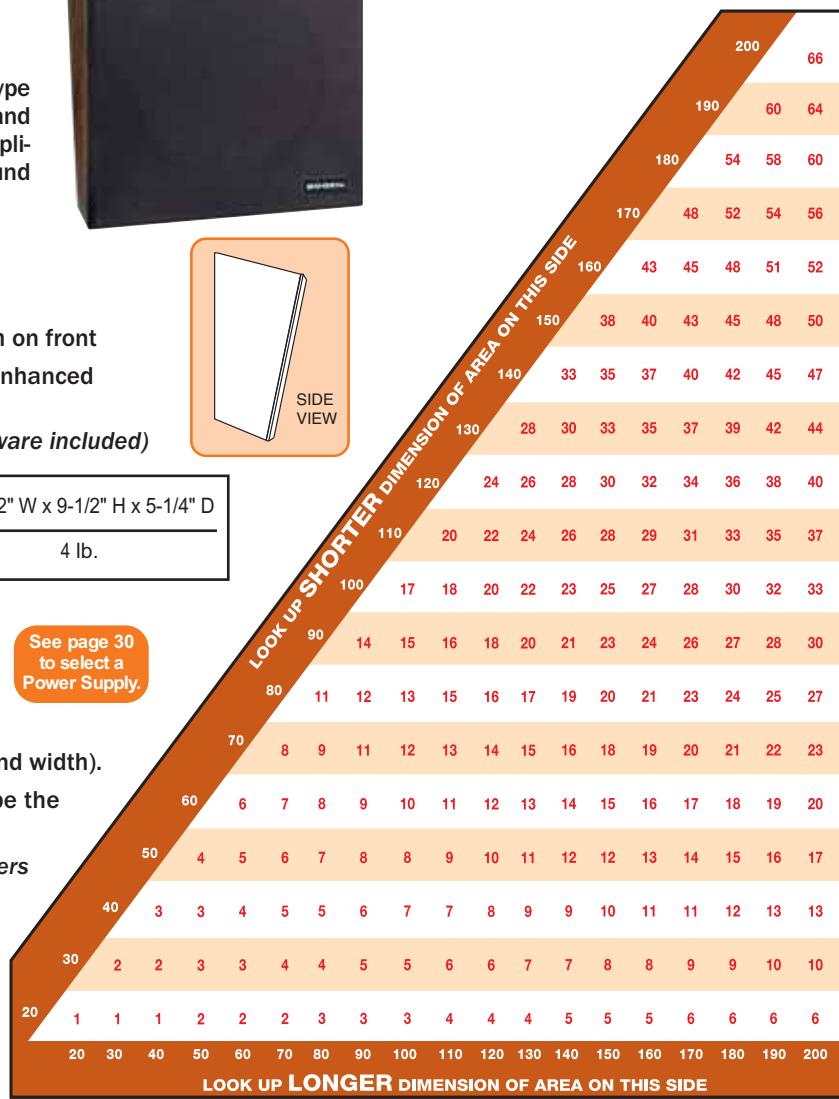
See page 30 to select a Power Supply.

Determine Speaker Quantity

Using the chart:

1. Locate the dimensions of the room (length and width).
2. Where these two measurements meet will be the number of speakers required.
(You may need to increase the number of speakers in areas where large objects or shelving project into the coverage area, blocking sound.)
3. The number of Current Units needed is the same as the number of speakers.

Current Units (min.) =
Number of Wall Mount Speakers



PAGING INTERFACE

Loop Start Interface/Power Supply

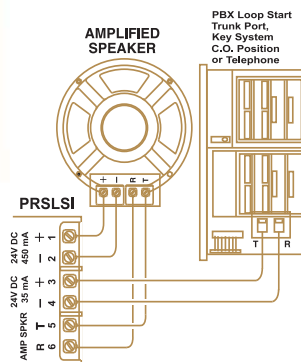
PRLSLI

The PRLSLI functions as both a 24V DC power supply and a loop start interface for small paging systems.



Product Features:

- 24V Talk battery supply for loop start ports
- Buffered audio output for up to 25 self-amplified speakers
- 450 mA, 24V DC power supply for external equipment
- Integral flanges and rubber feet for wall or shelf mounting
- 6-terminal barrier strip
- UL and C-UL listed



Loop Start Interface

Both the audio and power connections from self-amplified speakers can be connected to the PRLSLI. Connect the Tip and Ring terminals of the PRLSLI to a loop start trunk to provide paging access. The PRLSLI provides 9 CU (450 mA) of regulated 24V DC power for self-amplified speakers and enough audio capacity to drive 25 self-amplified speaker inputs.

Dimensions:	2-3/4" W x 4-1/2" H x 2-1/2" D
Product Weight:	3 lb.

Switch-Mode Power Supplies

The SPS versions of power supplies use switching technology to provide large current capacities in very small packages. Unlike more conventional linear power supplies that use large and heavy transformers, switching supplies gate energy directly to the storage caps at the power supply output. This is a highly efficient way to convert voltages and because of this the power supplies generate very little heat.

Mounting Holsters

Most wall-mounted SPS versions of power supplies come with special mounting holsters for easy and secure wall mounting. The holsters are fastened to the wall and then the power supply is slipped in. A broad spring tang ensures the power supply remains snug in the holster. A side-mounted PCB provides a means of breaking out the power supply's cable connector into multiple screw terminals. The screw terminals are also pluggable for added ease of installation.

POWER SUPPLIES

24V Switch-Mode and Linear Power Supplies



Actual Products may differ in appearance from those shown here.

Product Features:

- Specially designed for use with 24V Bogen equipment
- Wide range of voltages and current outputs
- UL and C-UL listed

Model	CU	Ratings	Mounting	Connections	Dimensions	Product Weight
SPS2454	+108	24V DC @ 5.40A	Holster	Pluggable Terminal Strip	3-1/2" W x 7-3/4" H x 2" D	3 lb.
SPS2425	+50	24V DC @ 2.50A	Holster	Pluggable Terminal Strip	3" W x 5-3/4" H x 1-3/4" D	2 lb.
SPS2410	+20	24V DC @ 1.00A	Holster	Pluggable Terminal Strip	2-1/2" W x 4-1/4" H x 1-1/4" D	2 lb.
SPS2406	+12	24V DC @ 0.60A	Receptacle	Wires, Barrel-Type	2" W x 3-3/8" H x 1-1/4" D	2 lb.
PRS2403	+6	24V DC @ 0.30A	Receptacle	Wires, Barrel-Type	2-1/4" W x 3-1/4" H x 2" D	1 lb.

Power Supplies



These Power Supplies are designed to supply low voltage DC requirements. Corded or outlet mounted.

Product Features:

- Specially designed for use with Bogen equipment
- Wide range of voltages and current outputs
- UL and C-UL listed

Model	Output	120V AC Input Style	Output Connections	Dimensions	Product Weight
PRS40C	12V DC @ 0.3A	Plug-in	Barrel Connector	2" W x 2-3/8" H x 1-5/8" D	1 lb.
PRS48	48V DC @ 0.1A	Plug-in	Screw Terminals	2-1/2" W x 3" H x 2" D	1 lb.
PCMPS2	12V DC @ 1.5A	Plug-in	Barrel Connector	2-5/8" W x 3-3/8" H x 2-7/8" D	2 lb.