

The SS-202 and SS-303 surround sound loudspeakers provide the best options for filling many listening rooms with an enveloping surround sound experience. It is true that in a controlled space with ideal seating configurations, dipole surround speakers can work very well. In very large rooms with many seats, a line array speaker can produce the most even coverage. For some, who listen to mainly music in surround sound, a direct radiating speaker will localize music cues with pinpoint accuracy. For most people, though, the goal is to have a huge surround soundfield, creating the illusion of having no walls or ceiling, but rather the vastness of whatever scene Hollywood's magic has conjured.

BG Radia has been using their patented advanced Planar Ribbon technology since 1994 to create the world's finest architectural speakers. Now the SS-202 and SS-303 Diffuse Soundfield speakers complement the rest of their models as used by discerning listeners around the world. BG Radia also makes line arrays, direct radiators and dipolar speakers for those rooms that are best served by those techniques, but for many rooms the ideal solution is a bipolar speaker that produces a very wide dispersion, and exhibits a very consistent spectral balance throughout its response range, perfectly matching all other BG Radia speakers for a seamlessly integrated soundfield.

- Proprietary BG Planar Ribbon drivers for extremely fast and detailed response
- Extremely wide yet controlled dispersion of 160° horizontally and 90° vertically for large coverage area
- Proper geometry of driver angles for best performance
- Consistent frequency balance for realistic sounds
- Very high output to blend with powerful main speakers
- All steel and extruded aluminum for rugged reliability
- Designed for in-wall or in-ceiling use - optional back boxes available
- Made in the USA, Lifetime warranty



SS-202 shown mounted in a column



SS-202

SS-303



SS-202

SS-303

Speaker Description
Driver Complement

Two-way diffuse-field surround
(4) 4" Neodymium Kevlar woofers
NA

Three-way diffuse-field surround
(2) 8" dual-gap long-throw woofers
(2) Neo10 Planar Ribbon midranges
(2) Neo3 Planar Ribbon tweeters

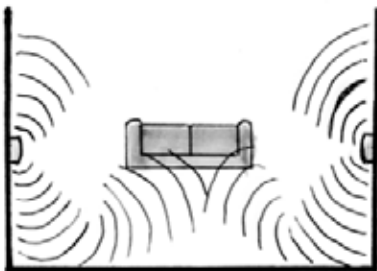
Dispersion Pattern
Frequency Response (± 3 dB)
Sensitivity (at 2.83V/1M)
Impedance, Nominal
Crossover Frequencies
Recommended Power
Dimensions (H x W)

160° horizontal x 90° vertical
70 Hz - 20 kHz
90 dB
8 ohms
1.7 kHz
50 - 120 watts
13 1/8" x 11 5/8" (33.3 x 29.5 cm)
plus 3/4" installed grille depth from wall
10 1/4" x 10 3/8" (26 x 26.4cm)
8 pounds (3.63 kg)

160° horizontal x 90° vertical
50 Hz - 20 kHz
93 dB
8 ohms
300 Hz, 2.4 kHz
50 - 200 watts
32" x 11 5/8" (81.3 x 29.4 cm)
plus 3/4" installed grille depth from wall
29 1/16" x 10 3/8" (73.8 x 26.4 cm)
39 pounds (17.70 kg)

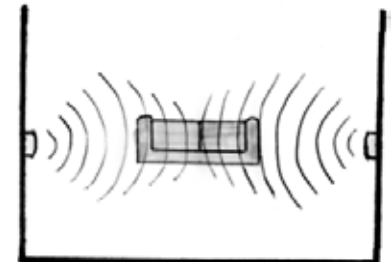
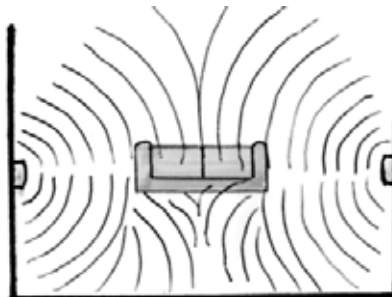
Wall Cutout Size (H x W)
Weight (each)

SURROUND SOUND SPEAKER TECHNOLOGIES - There are many schools of thought and options when deciding on types of surround speakers and their placement. Here are some practical suggestions.



DIPOLAR - If seating is away from the back wall and speakers can be placed on the side walls directly beside the seating locations, the figure-8 pattern of dipoles like BG's R-18i can fill the room very believably. They do not work as well on back walls, and require perfect positioning to operate at their best.

BIPOLAR - For many rooms' layouts, the ability to have broad dispersion covering a large area is ideal for creating that "you are there" illusion. Bipolar speakers like the SS-202 and SS-303 can be used for both side- and rear-wall placement, blending well to produce a huge and enveloping recreation of the program's space. For most types of rooms and listener's tastes, these are best.



MONOPOLAR - A fancy way of describing conventional forward-firing speakers, these can be used for those who like surround effects localized, rather than diffuse. BG makes many models of monopoles. Line Array models work best in large rooms since they lose volume at half the rate of conventional speakers, giving more even coverage to all seats.