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AccentPLUS1

In-Wall & In-Ceiling Architectural Speakers
Owners Manual

AccentPLUS1 Speaker Installation Manual

Congratulations on your purchase of the NuVo AccentPLUS1 architectural speakers. The AccentPLUS1 speakers represent the best value in class for in-wall and in-ceiling speakers for the home. High quality components, and NuVo's state-of-the-art manufacturing capabilities are combined to create an exceptional speaker. The AccentPLUS1 speakers are designed to provide years of audio enjoyment.

Speaker Placement

Proper placement is crucial to enjoying the benefits of the AccentPLUS1 speakers. Consider the optimal listening area in the room. The speakers should ideally be placed facing that area with 8 - 10 feet of separation between them. In-wall placement of the speakers should be at ear level or just slightly higher, and in-ceiling mounting should be placed to the left and right of the optimal listening area, **Fig 1**.

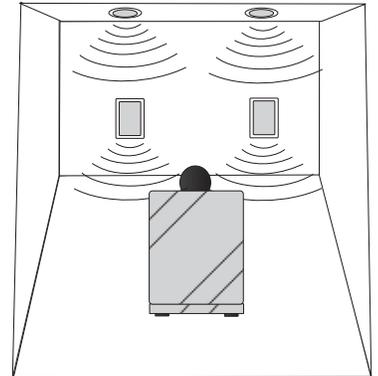


Fig 1.

In existing construction, care should be taken to not conflict with other wiring, heat ducts, or water lines. The AccentPLUS1 rough-in brackets can be placed between studs and ceiling joists as a cutout template for the drywall installation.

Installation

Once the best possible location for the speakers has been determined, use a stud finder to locate the studs. Leave enough clearance from the studs to allow the mounting “dog-ears” to properly clamp down to the drywall. Using the provided template, trace a line for the cutout, **Fig 2**.

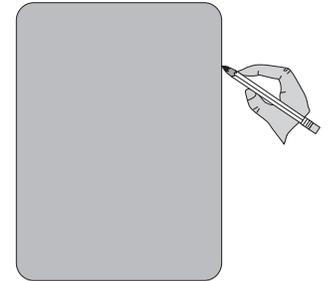


Fig 2.

It is a good idea to use a level to insure that the cutout is straight. In existing wall installations it is a good idea to drill a hole in the center of the penciled cutout to make certain that there are no obstructions behind the location before cutting the hole with a drywall saw.

NuVo AccentPLUS1 speakers each have pre-construction brackets that can be used to provide a cutout template for the drywallers prior to the drywall installation.

If the area behind the speaker is not already insulated add enough insulation to fill the cavity. Face foil or paper backing away from the speaker.

We recommend the use of 16-gauge speaker wire either two or four conductor (note that most distributed audio systems are not designed to accept larger than 14 gauge wire). The speaker wire should be pulled through the cutout for the speaker installation. Strip 1/2" inch of insulation from the speaker wire, and while pressing down on the terminal post, insert each conductor into the appropriate terminal, **Fig 3**. Red is positive, and black is negative. Some speaker wire denotes the positive lead with a dark line running through the insulation.

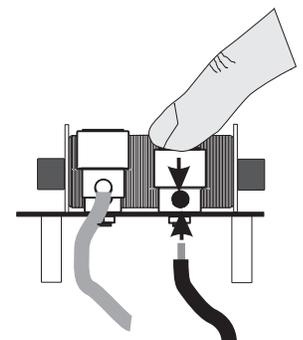


Fig 3.

Installation (Continued)

Once the speaker wire is connected to the speaker, center the speaker in the cutout and secure it by turning the mounting screws clockwise until the "dog ears" hold the speaker snug against the drywall. Be careful not to over tighten the "dog-ears" Fig 4.

When the speaker is in place you can, if desired, position the pivotal tweeter so it is directed toward the listening area of the room, Fig 5. Install the grill by placing it over the speaker and applying pressure around the outside edge. **NOTE: Avoid pressure over the center of the grill.**

Painting the Speaker

If desired, the speaker grill and trim can be painted to match the wall color. Each speaker is shipped with a clear plastic paint plug designed to protect the inner components of the speaker during the painting process. Always remove the grill from the speaker prior to painting. The AccentPLUS1 speakers have a micro-perforation grill. To prevent the paint from filling the holes and the grill and interfering with the speaker's sound distribution, the paint should be thinned at a ratio of 5 to 1 and sprayed on the grill.

For best results, we suggest that you paint the inside of the grill, as well as the outside. The AccentPLUS1 speakers ship with a decorative fiber backing on the inside of grill, which is easily removed for the purposes of painting.

Once the installation is complete, your speakers should be fully operational. Should you have no audio from the speakers, make sure the speaker wires did not become disconnected from the terminal posts, or that there is not a short in the speaker wire.

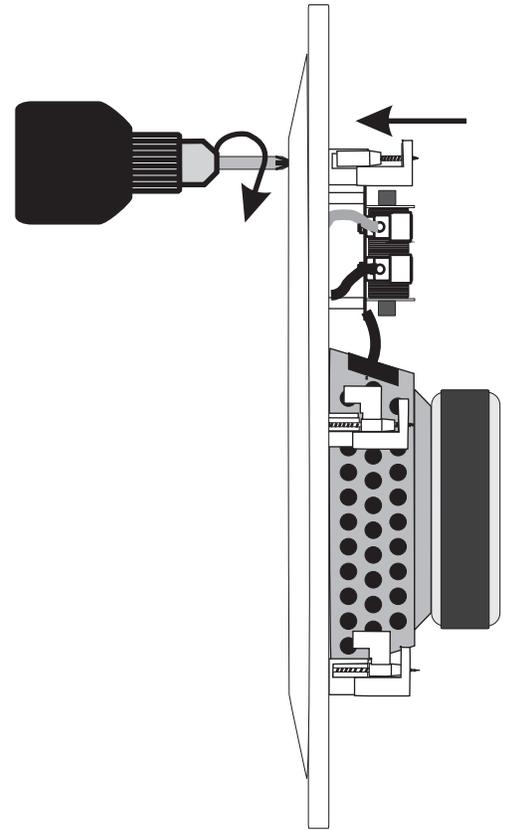


Fig 4.

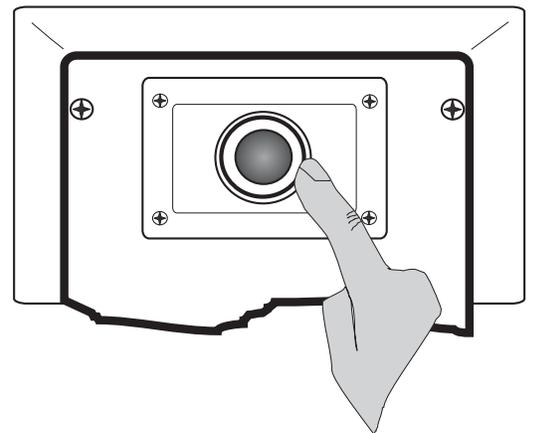


Fig 5.



In-Ceiling Application

SYSTEM	NV-AP16C	NV-AP16CS	NV-AP18C	
WOOFER	Description:	6.5" Ceiling Speaker with Co-axial Pivoting Tweeter	6.5" Stereo Ceiling Speaker with Dual Fixed Tweeter	8.0" Ceiling Speaker with Co-axial Pivoting Tweeter
	Power Rating:	50W	50W	60W
	Impedance:	8 ohms	8 ohms	8 ohms
	Efficiency:	91dB 1W/1M	91dB 1W/1M	92dB 1W/1M
	Frequency Response:	55Hz-20kHz	55Hz-20kHz	45Hz-20kHz
	Tweeter Crossover:	12dB / Octave; 4kHz	12dB / Octave; 4kHz	12dB / Octave; 4kHz
	Woofers Crossover:	None	None	None
	Dimensions (HxW):	9" Diameter (228mm Diameter)	9" Diameter (228mm Diameter)	10 3/4" Diameter (272mm Diameter)
	Cutout Dimensions:	8" (204mm)	8" (204mm)	9 3/4" (248mm)
	Depth:	3" (75mm)	3" (75mm)	3 3/8" (86mm)
TWEETER	Magnet:	10 oz / 80 x 30 x 15mm / Y35	10 oz / 80 x 30 x 15mm / Y35	20 oz / 100 x 45 x 15 / Y35
	Voice Coil:	1.0" Kapton	1.0" Kapton	1.5" Kapton
	Cone:	Etched Polypropylene	Etched Polypropylene	Etched Polypropylene
	Surround:	Butyl Rubber	Butyl Rubber	Butyl Rubber
	Dust Cover:	Polypropylene	Polypropylene	Polypropylene
TWEETER	Magnet:	Neodymium	Neodymium	Neodymium
	Dome:	20mm Silk	2 x 13mm Mylar	25mm Silk
	Type:	Pivoting 30 degrees	Fixed Position	Pivoting 30 degrees

In-Wall Application

SYSTEM	NV-AP16I	NV-AP18I	
WOOFER	Description:	6.5" In-Wall Speaker with Pivoting Tweeter	8.0" Ceiling Speaker with Co-axial Pivoting Tweeter
	Power Rating:	50W	60W
	Impedance:	8 ohms	8 ohms
	Efficiency:	91dB 1W/1M	92dB 1W/1M
	Frequency Response:	55Hz-20Khz	45Hz-20kHz
	Tweeter Crossover:	12dB / Octave; 4kHz	12dB / Octave; 4kHz
	Woofers Crossover:	None	None
	Dimensions (HxW):	12" x 8 3/4" (306mm x 220mm)	14 1/8" x 10" (358mm x 256mm)
	Cutout Dimensions:	11 1/8" x 7 3/4" (284mm x 198mm)	13 1/4" x 9 1/8" (336mm x 232mm)
	Depth:	3" (75mm)	3 3/8" (86mm)
TWEETER	Magnet:	10 oz / 80 x 30 x 15mm / Y35	20 oz / 100 x 45 x 15 / Y35
	Voice Coil:	1.0" Kapton	1.5" Kapton
	Cone:	Etched Polypropylene	Etched Polypropylene
	Surround:	Butyl Rubber	Butyl Rubber
	Dust Cover:	Polypropylene	Polypropylene
TWEETER	Magnet:	Neodymium	Neodymium
	Dome:	20mm Silk	25mm Silk
	Type:	Pivoting 30 degrees	Pivoting 30 degrees

Warranty

NuVo Technologies warrants this product to be free of defects in workmanship or material for a period of five (5) years from the original date of purchase. This warranty applies to the original purchaser only and is not transferable. This warranty is subject to the following conditions and exclusions:

- Defects caused by wear and tear, misuse, or neglect are not covered by this warranty.
- This warranty will be void if:
 - a. The unit has been altered or modified.
 - b. The serial number has been removed or defaced.
 - c. Original purchase is not from an Authorized NuVo Dealer.

- d. The warranty card is not completely filled out and mailed within 10 days of the original purchase.

Neither NuVo Technologies, nor NuVo dealers are liable for any incidental or consequential damages resulting from any defect in or failure of NuVo Technologies products. This warranty gives the original owner of NuVo Technologies products specific legal rights, and he or she may also have other rights which vary from state to state. This warranty is expressly in lieu of all other agreements and warranties, expressed or implied, except as may be otherwise required by law.

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4940 Delhi Pike Cincinnati, OH 45238 U.S.A. 513-347-2180