OSD

NERO

NERO **ARC 4/6/8/SUB** 70V/100V/8Ω PENDANT SPEAKERS

INSTALL GUIDE

Preparation:

Tools For Installation

- Pencil
- Drill
- Tape Measure
- Wire Cutter
- Phillips Screwdriver
- Utility Knife
- Safety Eye Wear
- Gloves

Speaker Wire Guide

18AWG minimum - for distances up to …………………. 10 ft
16AWG - from ……………………………….…….. 10 to 50 ft
14AWG - from ……………………………….…. 50 to 100 ft

Considerations

- Where is the best place to install the speakers?
- Where do the speakers sound the best?
- Separate the speakers 6 - 10 feet apart.

Introduction

The Nero-ARC Series Products are designed for high ceilings and open space environments. Featuring silk dome tweeters and Graphite woofers with an aluminum rust resistant grille. A UV resistant enclosure makes it ideal for outdoor applications as well. The Nero-ARC Series also comes with a built-in 6 position tap for 8 Ohm and 70/100V set-ups.

Included
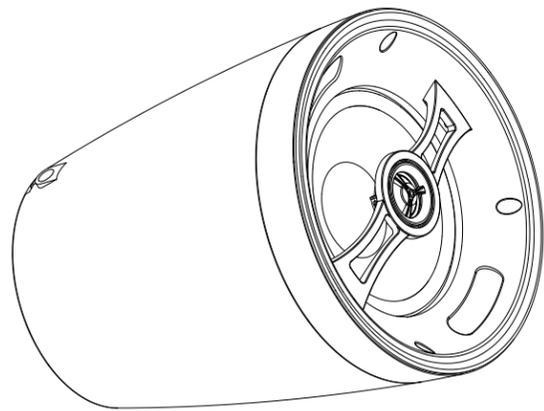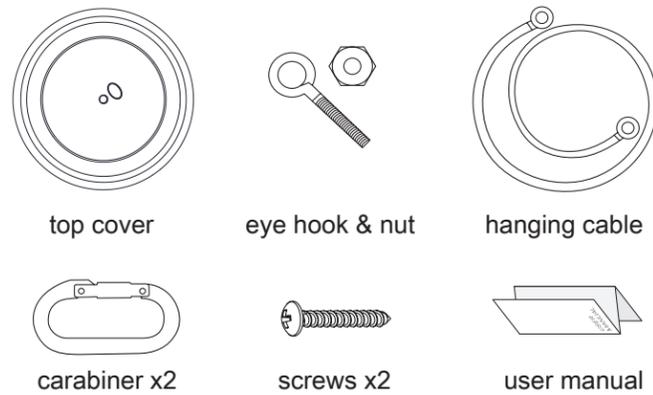
top cover

eye hook & nut

hanging cable
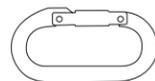
carabiner x2

screws x2

user manual

speaker

Hanging Information

❶ Buckle part to fix connection cable

❷

Ceiling

Pole

Carabiner

Hanging Cable

Eye Hook

Pendant Speaker
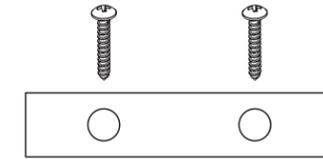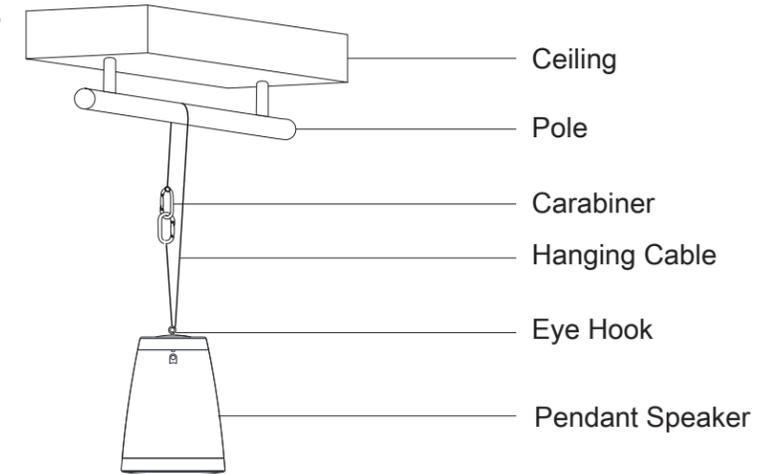
⚠ Make sure the speaker is properly secured to the ceiling / building's structure. Please use the proper screws, bolts, or anchors (not included). Failure to do so may cause the speaker to become unsecured & cause potential damages / injuries.

Set Up & Operation

Nero-ARC Series Products are designed to hang from the ceiling. A safety cable should be used when installing the speakers to avoid personal injury and damage to the speaker.

1. Set the proper speaker setting for your application 6 position switch (8ohm-0-xW-xW-xW-xW).

2. Install the top cover and fasten the provided eye hook, nut and washer to the top cover and speaker as illustrated below.

3. At each speaker location, route the speaker cable(s) hanging from the ceiling area through the top cover, and dress the cables to the wire rope using plastic cable ties. Slide the speaker cables through the supplied back cover. Strip the ends back to 1/8" to 3/16".

4. Connect the wires from the amplifier to the supplied terminal block, Using the IN terminals: red to + and black to -. Please refer to the following pages for examples of various types of applications.

5. Attach the safety cable to the speaker.

6. If using the bracket to wall or ceiling mount, be sure to use the appropriate hardware to securely attach the speaker.


Nut

Washer
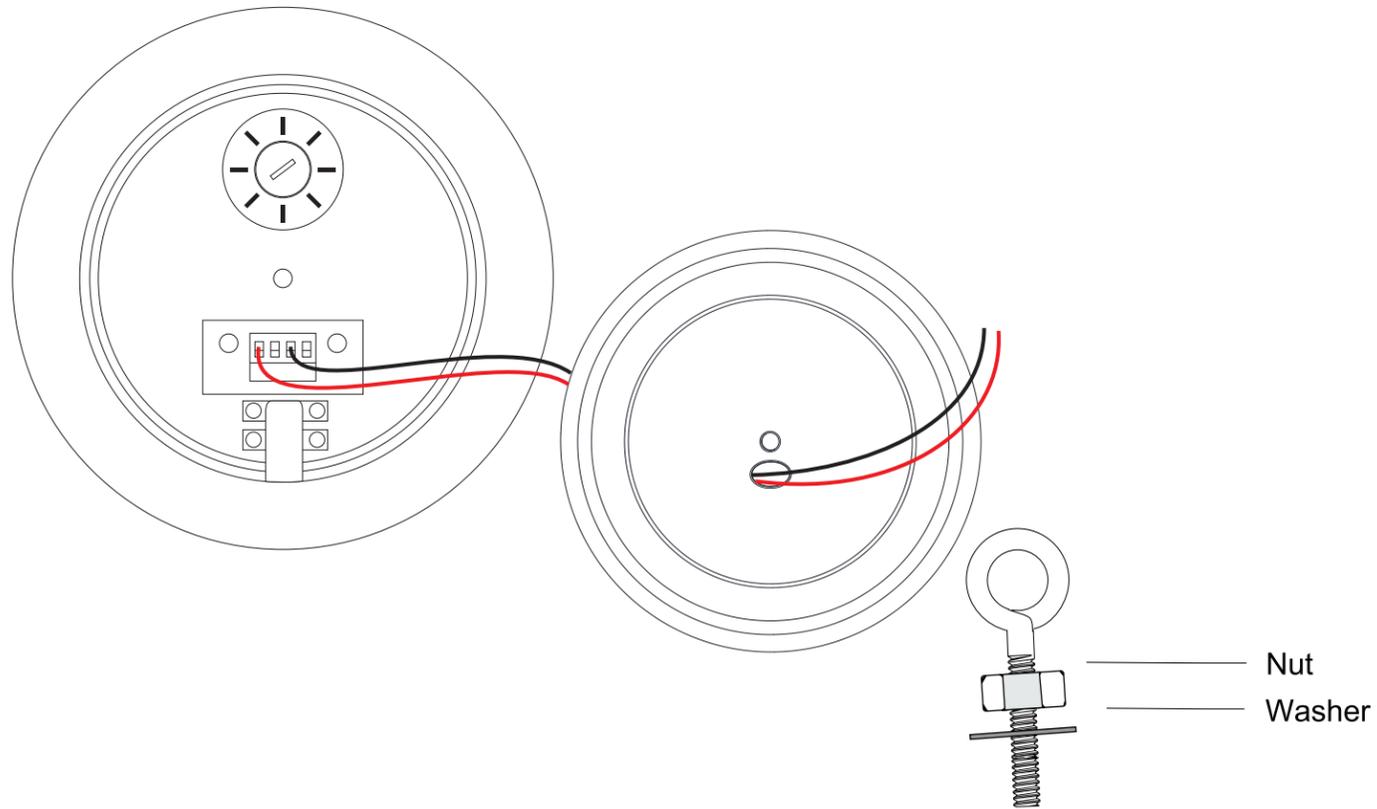
Standard 8 Ohm Application

Amplifier
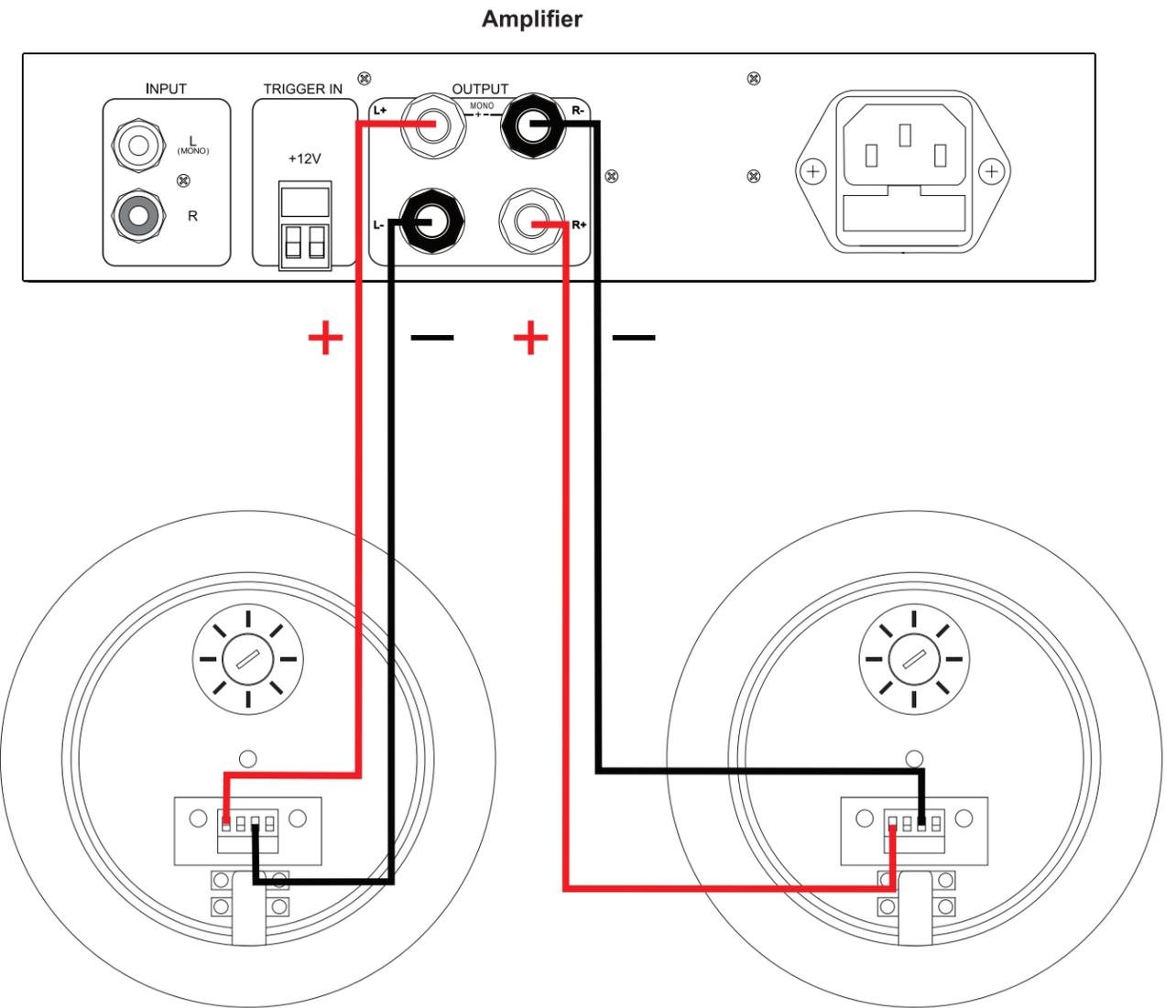
70V Application
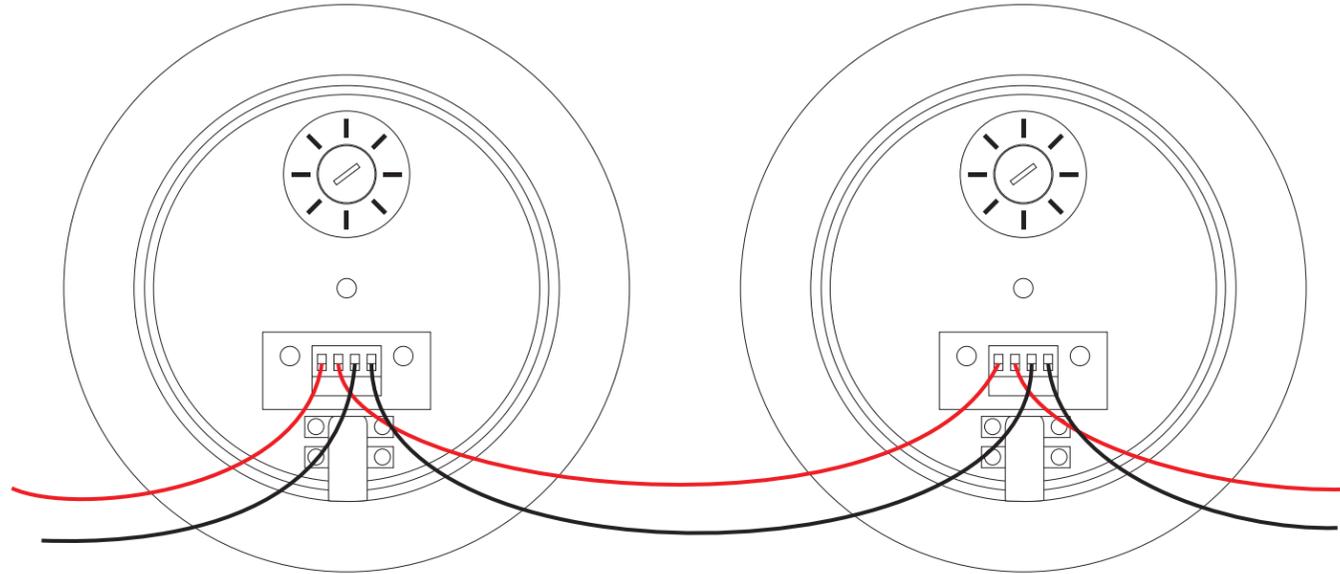
⚠ When installing multiple rows of speakers, we strongly recommend doing multiple wire runs, one run per row. We do not recommend doing a single wire run.

Specifications

Model	NERO-ARC4	NERO-ARC6	NERO-ARC8	NERO-ARCSUB
Tweeter	0.75''(20 mm) Silk soft dome	1'' (25mm) Silk soft dome	1.1''(28 mm) Silk soft dome	N/A
Woofer	4'' (100 mm) Graphite Cone , Rubber Surround	6.5'' (165 mm) Graphite Cone , Rubber Surround	8'' (203 mm) Graphite Cone , Rubber Surround	8'' (203 mm) Graphite Cone , Rubber Surround
Frequency Range±3	75Hz - 20kHz	65Hz - 20kHz	55Hz - 20kHz	50Hz - 125Hz
Power Handing RMS	60W program, 30W pink noise	150W program, 75W pink noise	200W program, 100W pink noise	300W program, 150W pink noise
Sensitivity	83 dB	85 dB	86 dB	84 dB
Taps	70V: 8Ω,0,10W,5W,2.5W,1.25W 100V: 8Ω,0,20W,10W,5W,2.5W	70V: 8Ω,0,20W,10W,5W,1.25W 100V: 8Ω,0,40W,20W,10W,5W	70V: 8Ω,0,25W,12.5W,6.25W,3.25W 100V: 8Ω,0,50W,25W,12.5W,6.25W	70V: 4Ω,0,25W,12.5W,6.25W,3.25W 100V: 4Ω,0,50W,25W,12.5W,6.25W
Impedance	8 ohms	8 ohms	8 ohms	4 ohms
Termination	Pluggable Terminal Blocks	Pluggable Terminal Blocks	Pluggable Terminal Blocks	Pluggable Terminal Blocks
Attachment	Brackets/Safety rope	Brackets/Safety rope	Safety rope	Safety rope
Dimensions H*W	8.5 x 6.1" (215mm x 155mm)	11.8 x 9" (300mm x 230mm)	13.5 x 10.6" (343mm x 270mm)	13.5 x 10.6" (343mm x 270mm)
Certifications	IP66	IP66	IP66	IP66
Material	PP	PP	PP	PP

Troubleshooting

Problem	Possible Cause	Fix
There is no sound	Power Off Equipment setting is wrong	Assure power is applied to all equipment in system. Check that routing in/output controls are set correctly.
Low sound level	Setting/Volume is set too low. Connection is shorted or bad.	Check volume controls or amplifiers are equalizers. Check that connections aren't partially shortened.
Sound cuts in and out	System overload/oscillation intermittent connection	Check for overload condition or bad connection
Distortion at increased level	Amplifier/speaker over driven	Check that power to speaker isnt over limits, amplifier isnt over driven. Reduce power to amplifier slightly.
Speaker makes "buzzing" noise	Hardware loose or speaker damaged	Make sure speaker is tight. Check speakers for loose parts or speaker damage.

All OSD AUDIO electronics have (15) year Limited Warranty against defects in materials and workmanship. Proof of purchase must accompany all claims. During the warranty period OSD AUDIO will replace any defective part and correct any defect in workmanship without charge for either parts or labor

OSD AUDIO may replace returned electronics with a product of equal value and performance. In such cases, some modifications to the mounting may be necessary and are not OSD AUDIO's responsibility.

For this warranty to apply, the unit must be installed and used according to its written instructions. If necessary, repairs must be performed by OSD AUDIO. The unit must be returned to OSD AUDIO at the owner's expense and with prior written permission. Accidental damage and shipping damage are not considered defects, nor is damaged resulting from abuse or from servicing performed by an agency or person not specifically authorized in writing by OSD Audio

OSD AUDIO sells products only through authorized dealers and distributors to ensure that customers obtain proper support and service. Any OSD AUDIO product purchased from an unauthorized dealer or other source, including retailers, mail order dealers and online sellers will not be honored or serviced under existing OSD AUDIO warranty policy. Any sale of product by an unauthorized source or other manner not authorized by OSD AUDIO shall void the warranty on the applicable product.

Damage to or destruction of components due to application of excessive power voids the warranty on those parts. In these cases, repairs will be made on the basis of the retail value of the parts and labor. To return for repairs, you must email customer service at RMA@audiogeargroup.com for a Returned Merchandise Authorization (RMA) number then the unit must be shipped to OSD AUDIO at the owner's expense, along with a note explaining the nature of service required. Be sure to pack the product(s) in a corrugated container with at least 3 inches of resilient material to protect the unit from damage in transit.

This Warranty Does Not Cover: Damage caused by abuse, accident, misuse, negligence, or improper operation (installation) • Any products that have been altered or modified • Any product whose identifying number of decal, serial #, etc. has been altered, defaced or removed • Normal wear and maintenance.