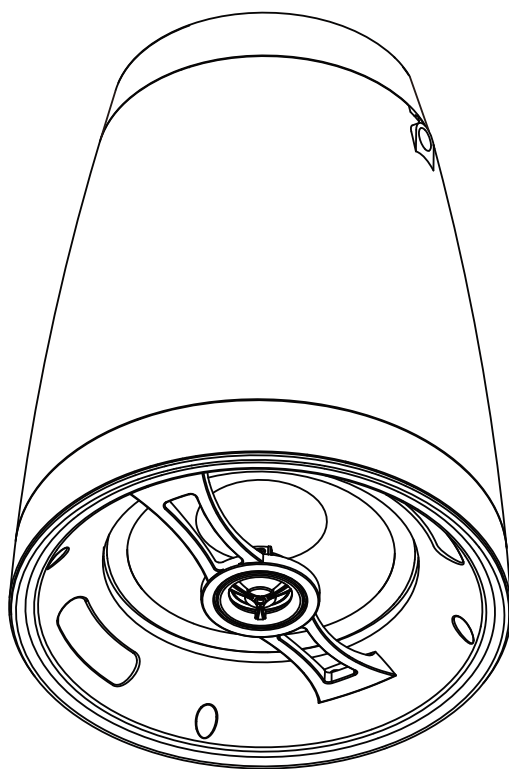


HS-5404/HS-5504/HS-5604/HS-5804

70V/100V PENDANT SPEAKER 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

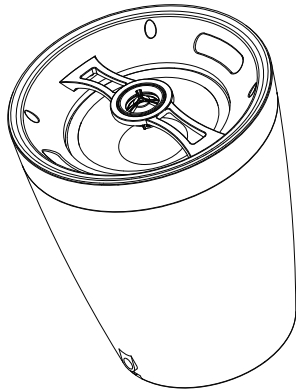
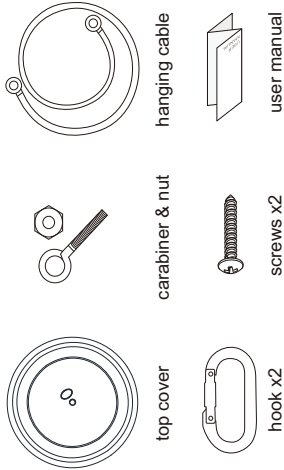
Considerations

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

Introduction

This HS-5404 Series Products was designed for high ceilings and open space environments. Featuring a .75-inch silk dome tweeter and an aluminum rust resistant grille. A UV resistant enclosure makes it ideal for outdoor applications as well. This HS-5404 Series products also comes with a built in 6 position switch.

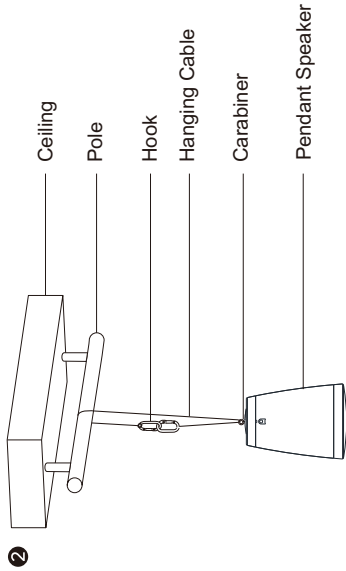
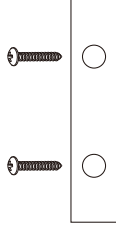
Included



speaker

Hanging Information

- 1 Buckle part to fix connection cable.

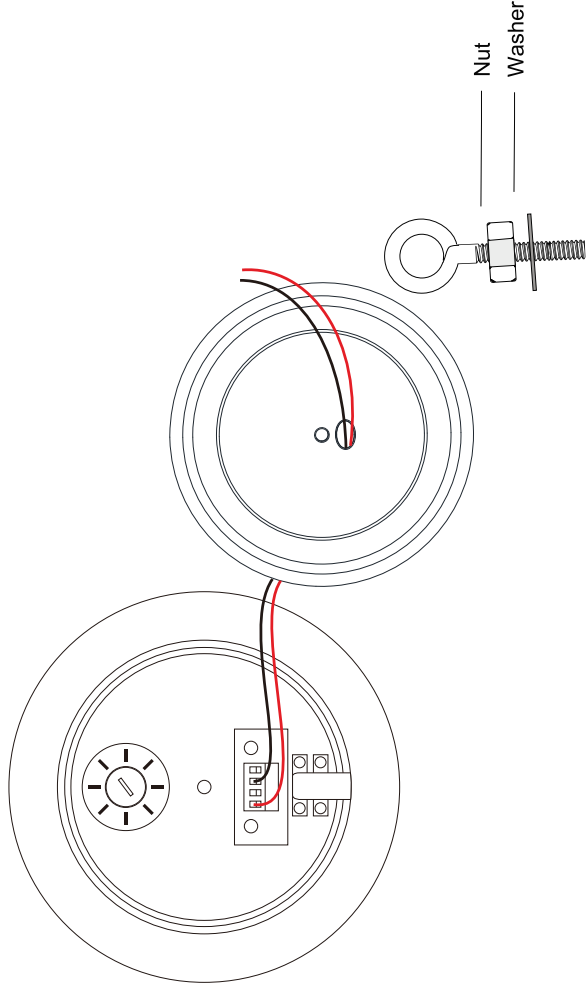


Make sure the speaker is properly secured to the ceiling / building's structure. Please use the proper screws, bolts, or anchors (no included). Failure to do so may cause the speaker to become unsecured & cause potential damages / injuries.

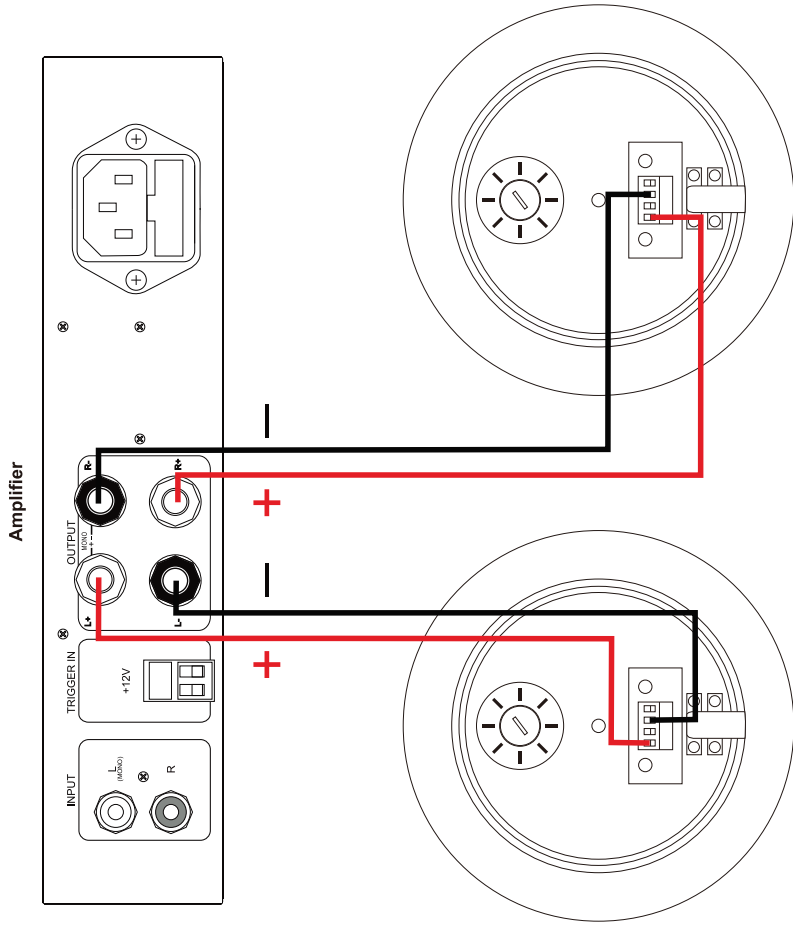
Set Up & Operation

This HS-54 Series Products is 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.

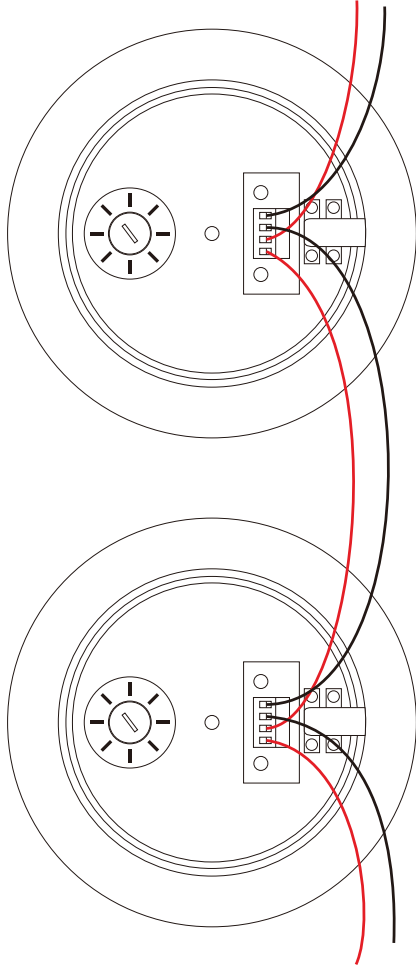
1. Set the proper speaker setting for your application 6 position switch (8ohm-D-xW-xW-xW).
2. Install the top cover and fasten the provided eye hook, nut and washer to the top cover and speaker as illustrated below.
3. At each speaker location, route the speaker cable(s) hanging from the ceiling area 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.



Standard 8 Ohm Application



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	HS-5404	HS-5504	HS-5604	HS-5804
Tweeter	0.75"(20mm) Silk soft dome	1" (25mm) Silk soft dome	1" (25mm) Silk soft dome	1.1"(28mm) Silk soft dome
Woofer	4" (100mm) Graphite Cone, Rubber Surround	5" (125mm) Graphite Cone, Rubber Surround	5" (125mm) Graphite Cone, Rubber Surround	8" (203mm) Graphite Cone, Rubber Surround
Frequency Ranges	50Hz-20KHz	50Hz-20KHz	51Hz-20KHz	44Hz-20KHz
Power Handling RMS	40W program, 20W (IEEE 219)	60W program, 30W (IEEE 219)	60W program, 40W (IEEE 219)	80W program, 50W (IEEE 219)
Sensitivity	83dB	84dB	85dB	86dB
Impedance	8Ω, 0.2ΩW, 10W, 5W, 3.75W	8Ω, 0.3ΩW, 15W, 7.5W, 3.75W	8Ω, 0.4ΩW, 20W, 10W, 5W	8Ω, 0.5ΩW, 25W, 12.5W, 6.25W, 25W
Termination	8 ohms	8 ohms	8 ohms	8 ohms
Attachment	Pluggable Terminal Blocks	Pluggable Terminal Blocks	Pluggable Terminal Blocks	Pluggable Terminal Blocks
Dimensions HW	2.15mm x 155mm	2.50mm x 180mm	300mm x 230mm	343mm x 270mm
Certifications	PP	N/A	N/A	N/A
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 isn't over limits. amplifier isn't 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.