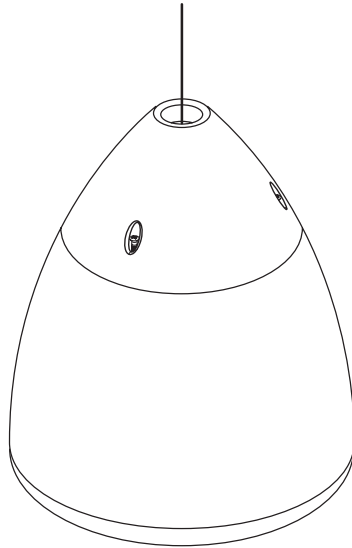




www.soundavo.com



HPS-6-BL-V (HPS-6-WH-V)

Dear Customer, thank you for choosing Soundavo speaker products. Take the time to read this manual carefully before installing your speakers. It contains tips for getting the most benefit and instructions for using them safely. We strongly recommend that you keep the packaging and this manual for future use.

OWNERS MANUAL

SAFETY WARNINGS AND GUIDELINES

- These speakers are intended for indoor use only.
- Do not expose these speakers to water or moisture of any kind.
- If operating these speakers in a humid environment, ensure that no condensation occurs. Condensation could cause damage to the speaker cones and voice coils.
- Power off and unplug all Audio/Video components when making wired connections. Only apply power after all connections have been made.
- Double-check all connections prior to applying power to ensure that speaker polarity is properly made and that there are no stray wire strands, which could short the connections, either on the backs of the speakers or the AV receiver/amplifier.
- Do not use full volume until after the speakers have been fully broken-in.
- If you hear distortion, reduce the volume until the distortion is no longer audible. Distortion can sound like a buzzing, scratching, or hammering sound. Distortion can damage to or destroy the delicate speaker coils.
- Do not use cleaning fluids, solvents, or other chemicals to clean the speaker frames or grilles.
- Do not use excessive volume when listening to these speakers. If you experience pain, discomfort, or dizziness, reduce volume immediately. Prolonged exposure to excessive volume can cause permanent hearing damage.
- Do not disassemble or attempt to service these speakers.
- You must use speaker wire rated for in-wall use.
- Do not attempt to install these speakers near power outlets, wall switches, or ceiling fixtures. These objects indicate the presence of AC power lines within the wall or ceiling and should be avoided.
- When checking for the presence of objects behind the wall, do not try to force the wire past obstructions.
- Always check and adhere to your local building and fire safety codes before installing these speakers and running wires through the walls and ceiling.

SPEAKER WIRE PREPARATION

Before attempting to make any connections it is best to look at the situation, get all the necessary materials together, and then make all the connections at once.

First, look at the back of your amplifier or receiver to determine what options it offers for making connections. Amplifiers and receivers typically employ either 5-way binding posts, spring-loaded terminals, or push terminals for the speaker connections.

A 5-way binding post can accept bare speaker wire, spade plugs, pin plugs, and banana plugs, while spring loaded terminals and push terminals can accept either bare speaker wire or pin plugs. Refer to the documentation that came with your amplifier or receiver to determine the maximum size/gauge speaker wire the speaker terminals can accept.

The in-ceiling speakers feature push terminals, which can accept pin plugs or bare wire up to 14AWG. The in-wall speakers feature blade connectors. You should use .250" 16-14AWG crimp style blue female disconnects (not included) on the speaker end of the speaker wire.

If your amplifier can accept it, you should use 14AWG speaker wire. Using pin plugs is highly recommended for several reasons. Plugs are easier to connect, don't run the risk of stray wire strands shorting the connections, allow for use of heavier gauge speaker wire in most cases, and it is much easier to identify the polarity from a color coded ring on a plug then from a subtle marking along the length of a wire.

Because the speaker wires will necessarily be run through your walls, you must use in-wall rated wire. This is required by fire safety codes and ensures that the wire jacket will not act as an accelerant in the event of a fire.

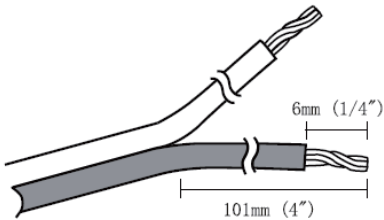
Rather than using fixed length speaker wires, it is best to get a roll and cut the wires to the length you will need them. This ensures that there is a minimum amount of excess wire. However, even if your amplifier is off-center, the lengths of wire used for each speaker pair should be identical. This keeps the impedance

on each channel the same, which ensures that the volume levels, frequency ranges, and tonalities are identical. Any excess wire should be snaked back and forth, not coiled, to avoid creating an inductor/antenna for stray radio signals.

Before making the actual connections, cut each length of wire to size. Note the markings on the wire that differentiate between each conductor. Sometimes the marking clearly identifies a positive and negative side. Some common clearly positive and negative markings or identifiers are:

Positive	Negative
Red	Black
Copper	Silver
+++	---

In many cases, the mark is a single stripe on the jacket of one of the connectors. In this case the side with the stripe is generally considered the positive side, but it really does not matter as long as you are consistent and always using the stripe as positive or always using it as negative.



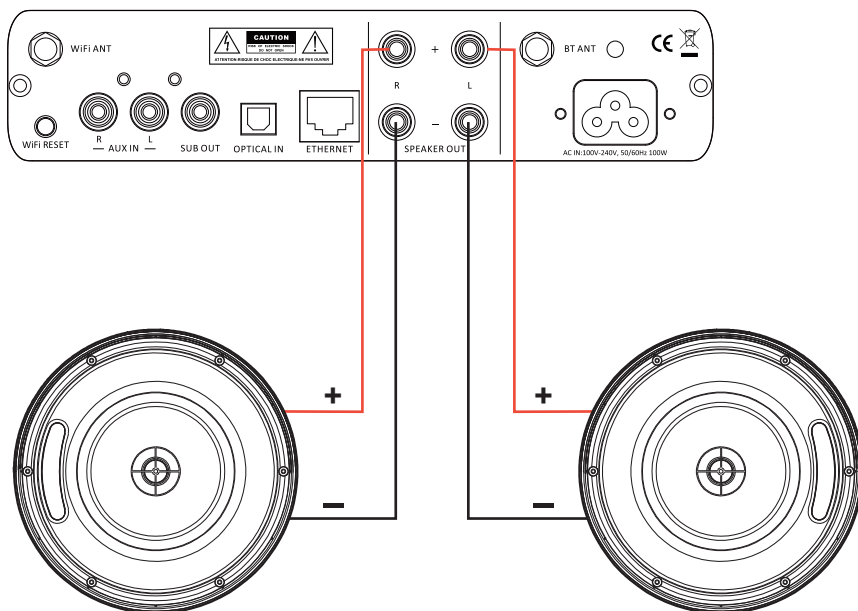
When you are ready to prepare your speaker wires, first separate about 4" of wire, then strip about 1/4" (6mm) insulation from the end and twist it to prevent stray strands. If you plan to use banana or pin plugs (highly recommended), install the plugs on the wire.

Soundavo HPS-serie are two-way pendant loudspeakers, with an coaxially mounted 13mm Mylar tweeter and is fitted with a phase plug for excellent off axis performance, the mounting the speaker is done through a connection cable with two integrated steel cores for suspending with an additional drop safety. The high quality polypropylene enclosure and acoustic engineering craftsmanship

guarantees premium performance for background and foreground music applications with open architectures and high ceilings. Typical applications are big scale retail environments, restaurant, hotel, warehouses and other large open spaces, with a multi-tapping line transformer allows them to be connected to 70V/100V public address systems with various power settings.

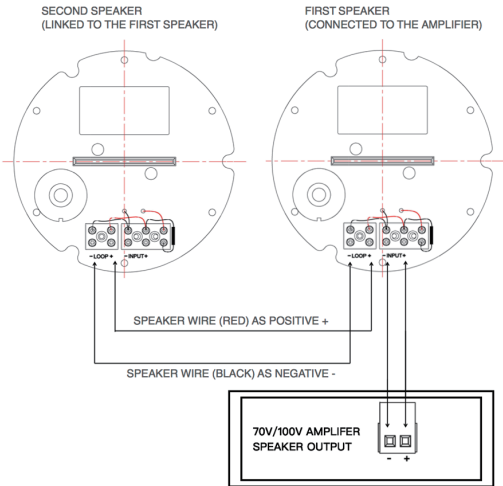
CONNECTING THE SPEAKER

(1) Standard 8 Ohm Application



For connecting the HPS-series pendant speakers, the wires coming from the amplifier shall be connected to the INPUT + / - terminal screw type connector on the rear of the speaker. When connecting the wires to the speakers, be sure to observe proper polarity for the best sound. Connect the Red wire to the (Input +) screw terminal and the Black wire to the (Input -) terminal. The Red (+) and Black (-) speakers wires should correspond to the same terminals on the amplifier.

(2) Commercial 70/100V Application

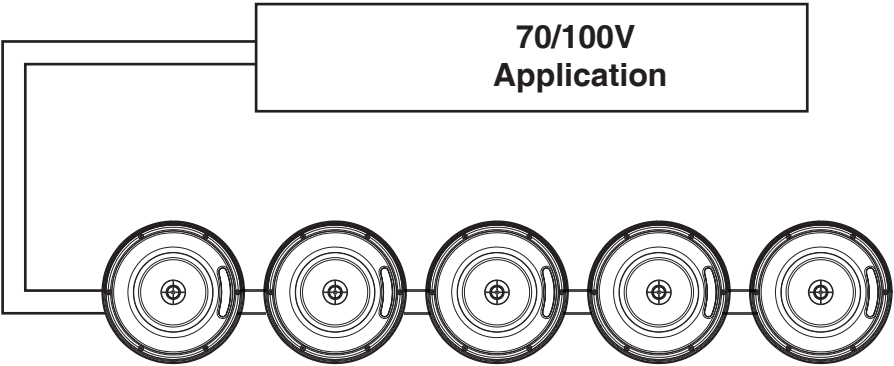


First Speaker: connect the Red wire to the (Input +) screw terminal and the Black wire to the (Input -) screw terminal. The Red (+) and Black (-) speakers wires should correspond to the same terminals on the amplifier.

Link-Throught to Other Speaker: Use the speaker wire, the Red wire needs to be connected between the (Loop +) screw terminal from the First speaker and Input + screw terminal from the second speaker. The Black wire needs to be connected between the (Loop -) screw terminal from the First speaker and (Input -) screw terminal from the second speaker.

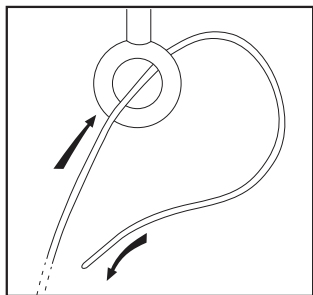
For Multi-Speakers connection, repeat the same connection as above, two color speaker wire (Red & Black) should correspond to the same terminals on the first speaker & amplifier.

Mult-Speakers Connection with 70/100V Application

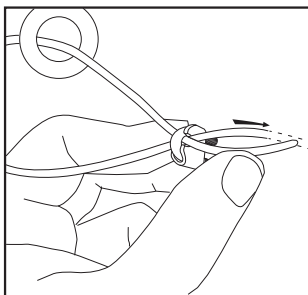


The above example shows 5 total speakers. Using the 20W selection, you will need an amplifier with at least $(5) \times (20) = 100W$. A good rule of thumb to remember is that the total number of speakers multiplied by the setting you select, cannot exceed the output power of the 70V/100V amplifiers. You should select an amplifier with 20% greater power; in this case, an amplifier that delivers about 120W.

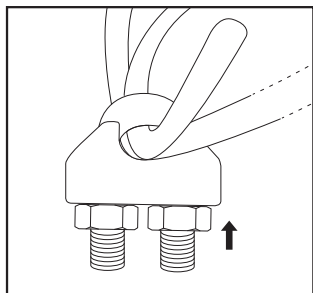
INSTALLATION



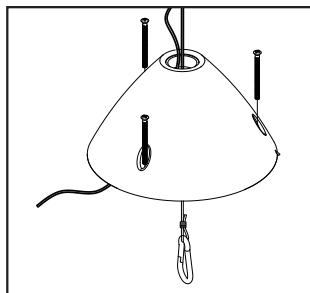
1. Pass the suspension cable through the structure.



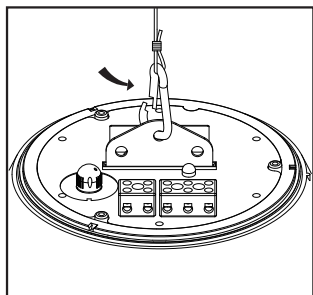
2. Insert the suspension cable through the wire cable clamp.



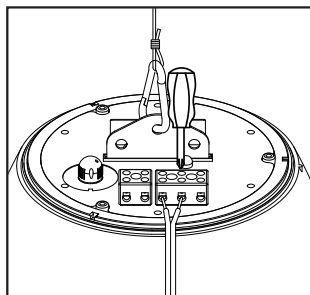
3. Adjust the suspension height, then screw the nuts with a key (not provided) to lock the position.



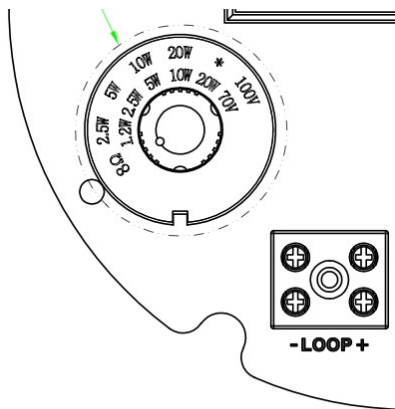
4. Slide the cover onto the suspension cable, and then route the speaker cable (not provided) through the center hole.



5. Attach the snap hook to the speaker mounting bracket.

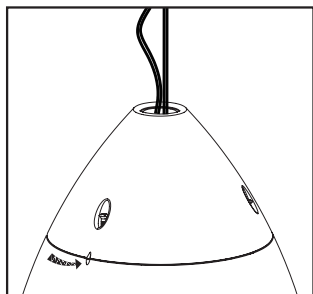


6. Connect the speaker cable to the (+) and (-) inputs.

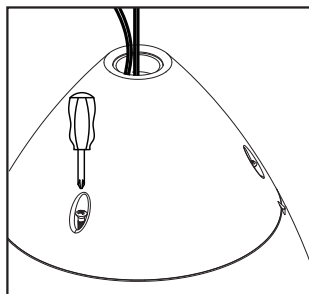


7. Select "8Ω" to power the speaker with a standard amplifier. Select "2.5W", "5W", "10W" or "20W" to power the speaker 70V/100V line amplifier. Select the power according to the one chosen on the amp output.

NOTE: If this speaker will be used with a 70V/ 100V distributed audio system, do not set the 70V/ 100V tap to the 8 ohm setting. Doing so may damage your speaker when playing. To use this speaker with a conventional (non-70V/100V) audio system, change tap to the 8 ohm setting. If you are unsure what type of audio system you have, consult a professional installer before continuing.



8. Place cover plate on the speaker and slightly rotate it until alignment indicators meet.

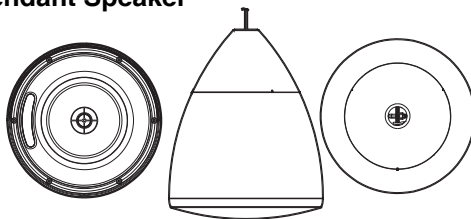


9. Tighten all screws to lock cover plate.

SPECIFICATIONS

HPS-6-BL-V (HPS-6-WH-V) 2-Way 6.5" Pendant Speaker

- Commercial Indoor Pendant Speaker
- 6.5" PP Cone Woofer, 13MM Mylar Tweeter
- 50W RMS / 100W Maximum Output Power at 8 Ohms
- Frequency Response Range: 60Hz - 20kHz
- Sensitivity (1W / 1M): 88 +/- 3dB
- Steel Grille with Ceramic Terminal Block x 2
- Built-in selectable transformer:
 - 70V - 20W / 10W / 5W / 2.5W / 1.2W, 8 Ohms
 - 100V - 20W / 10W / 5W / 2.5W, 8 Ohms





WARNING

The packaging (cartons and foams) has been designed to effectively protect your SOUND-AVO electronics during transport and shipping. We invite you to keep them for future use. Protect the environment: if you want to get rid of the packaging, note that it is recyclable. We invite you to make the arrangements for the best respect of the environment according to the possibilities which are offered to you (sorting for example). At the end of his life, this device should not be thrown into a conventional trash bin. It must be returned to a recycling center for electronic equipment. This symbol on the product indicates that it is designed to be recycled according to a particular process. You will make a very significant contribution to the preservation of the environment. This device complies with the RoHS European directive. This means that it does not release polluting substances during recycling (Lead, Mercury, Cadmium, Hexavalent Chromium, Polybrominated biphenyls, Polybrominated diphenyl ethers).



Precautions for proper use

This product was designed according to rigorous norms and complies with safety standards. It should only be used under normal conditions as described below. Verify the electrical voltage before connecting it to a power source. This electronic device was designed to work in numerous countries. We advise you to hook it up completely before connecting it to the AC power source. Take care when unplugging the power cord. When you unplug the power cord from the power source, do so by pulling on the head of the plug rather than on the cable. If you do not expect to use this device for a prolonged period of time, you are advised to unplug it from the power source. Do not open the case. This device contains no parts that can be exchanged by the user. Accessing the inside of this device's case can lead to electric shock. Any modification to the product will nullify the guarantee. If a foreign object or liquid falls into the case, contact your retailer to arrange for a technician to remove it from the device safely.

WARRANTY

Soundavo platinum is designed and manufactured to the highest quality standards. If there is a defect in your Soundavo product, Soundavo customer service or an authorized dealer may take care of the repair within the limits of this warranty.

The warranty is 2 years from the date of purchase from an authorized dealer.

Definition of Warranty The warranty is limited to the repair of Soundavo equipment. Under no circumstances is the transport, the associated costs and the installation covered by the guarantee.

The warranty is only applicable to the first owner and is not transferable.

The guarantee does not apply in the following cases:

- The damage is caused by incorrect installation or connection.
- The damage is caused by improper use, other than that described in this manual, by negligence, or modification of the product by a person not authorized by Soundavo.
- Damage caused by accidents, lightning, water, fire, excessive heat or any other cause that can not be controlled by Soundavo.
- In the case of repair by unauthorized personnel. This warranty supplements the legal warranties in force in the country of the authorized dealer.

How to repair a product under warranty Simply contact your authorized dealer. To ensure transport in good conditions, always use the original packaging. If you use a product in a country other than where you bought it, contact the importer in your country of residence who will refer you to an authorized service center.

The list of authorized distributors is available on the website:

<http://www.soundavo.com> To validate your warranty, you must produce as proof of purchase the original of your invoice containing the date of your purchase and the stamp of your dealer.