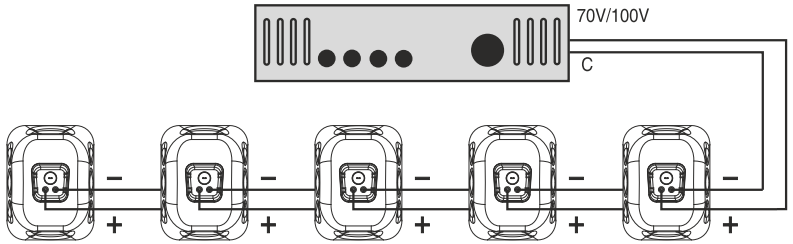
EXAMPLE OF 70V/100V SYSTEM CONFIGURATION

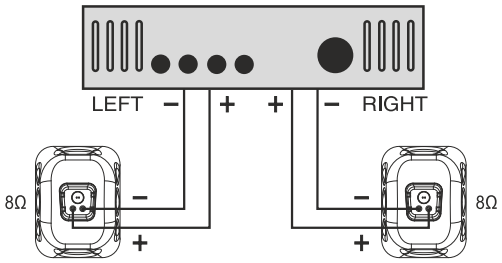


5 SPEAKERS CONNECTED IN PARALLEL USING 16W TAPS

NOTE: The total number of speakers multiplied by the tap value cannot exceed the output power (in watts) of the 70V /100V amplifier. The above example shows 5 total speakers. Using the 16W taps, you will need an amplifier with at least (5) x (16) = 80W. A good rule of thumb is to select an amplifier with 20% greater power; in this case, an amplifier that delivers about 100W.

UNDERPOWERING VS. OVERPOWERING

2-CHANNEL AMPLIFIER WITH 8Ω OUTPUT



Observe correct Polarity for maximum Bass performance

2 SPEAKERS PER CHANNEL CONNECTED IN PARALLEL

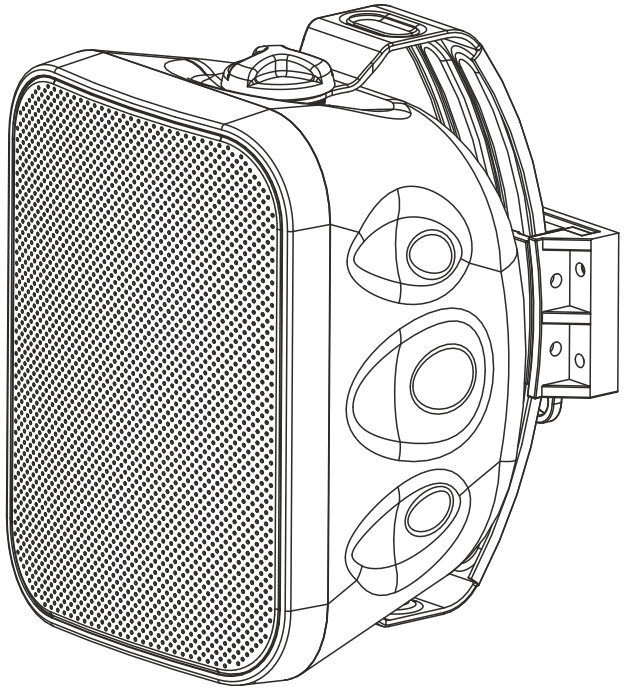
TECHNIAL SPECIFICATIONS

Frequency Response:	60 Hz - 20 KHz
RMS Power:	60 watts
Impedance:	8 ohms
Sensitivity (1w/1m):	90 dB
Enclosure Material:	ABS
Grill Material:	Aluminum
Environment Rating:	IP56
Woofer:	5.25" (133mm) mineral filled polypropylene cone with rubber suspension, 1"(25mm) ASV coil
Magnet:	15 oz.
Tweeter:	1.42" (36mm) titanium dome
Cutout Dimensions:	10.32" (262mm)
Overall Dimensions:	7.5" x 10.08" x 8.86" (190mm x 256mm x 225mm)

INSTALLATION INSTRUCTIONS

SD-ODS5.25-1

User Manual



INDOOR/OUTDOOR SPEAKER

Introduction

Thank you for buying Symphonic Designs Indoor/Outdoor Speakers. Please read and have a thorough understanding Of the entire manual before installing and use. Keep the manual for future reference.

Symphonic Designs made every effort to provide accurate and detailed instruction for this product's assembly and installation. Symphonic Designs assumes no liability for any issues arising from these instructions. These brackets, all their parts and accessories must be used only for the purpose they have been constructed. Symphonic Designs and it's retailers are not directly or indirectly responsible for any damage to persons and/or properties derived from the use of this product in an unsafe or different way for which it has been designed and constructed. Several parts of this product are small pieces of hardware, therefore extreme care should be taken to keep them away from children.

Read these instructions carefully before using the product

1. When the speakers are installed on a wall, check that the wall structure is solid and that the speaker is firmly attached.
2. Do not install the speakers in soft wall material due to the screws not properly anchoring which can cause the speakers come loose and possible fall of the wall
3. Do not use nails, adhesives or other unauthorized materials. Vibrations may cause the to fall.
4. Do not place the speakers on any unstable supports.
5. Do not damage the woofer and tweeter. Damage will result in distorted sound.
6. Do not attempt to clean the speakers with chemical solvents as this may damage the paint surface. Clean with a dry cloth only.

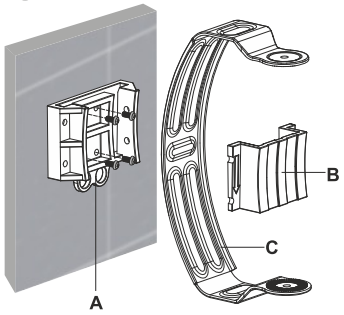
It is the users responsibility to place or install safely.

1. Use the mounting bracket as a template.
2. Use appropriate hardware and tools (not included) to properly mount the brackets.
3. Attach the speakers to the bracket using the screws and washers.

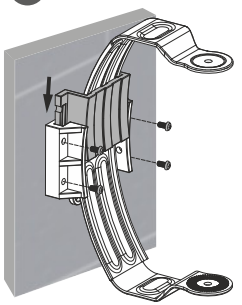
Connection

Connect a wire on the back of the speaker and run to the output connector of the amplifier. The speaker wire is polarized with one side positive (+) and on the other negative (-) Connect the positive (+) side of the amplifier and speakers connector to the same wire. Connect the negative side (-) of the speaker and amplifier together with the same wire. Check each speaker to make sure it is not (+,-) cross polarized. If the polarity of the speakers is reversed, the sound quality will be poor.

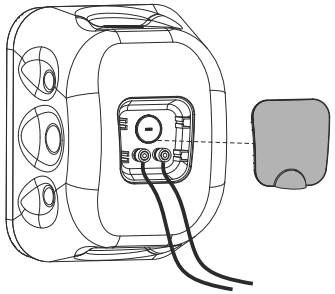
1 Fasten A to wall by 4 screws



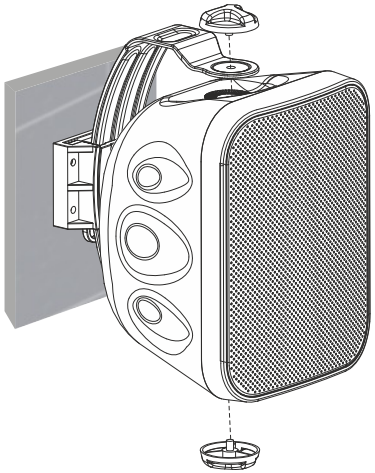
2 Attach C to A and lock B to A , and fasten screws



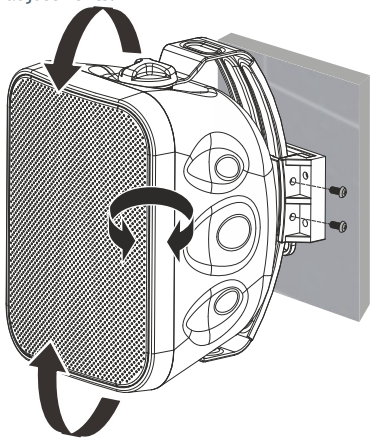
3 Connect wires and replace waterproof cover



4 Screw the two knobs



5 Fasten the screws after vertical and horizontal adjustments.



UNDERPOWERING VS. OVERPOWERING

- Most speaker damage is caused by amplifiers with too little power (wattage).
- An overdriven amplifier clips the waveforms and sends distortion to the speakers.
- Clipping is usually audible; it may vary from a harsh sound to a fuzzy or unclear sound.
- If you hear this condition at loud volume levels, turn down the volume until the distortion is no longer present.
- Damage caused by operating the speakers at distorted volume levels is not covered by the warranty.