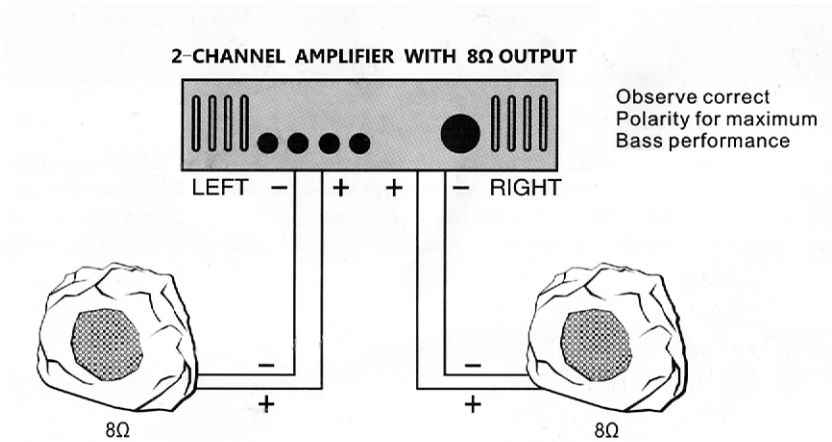


UNDERPOWERING VS. OVERPOWERING



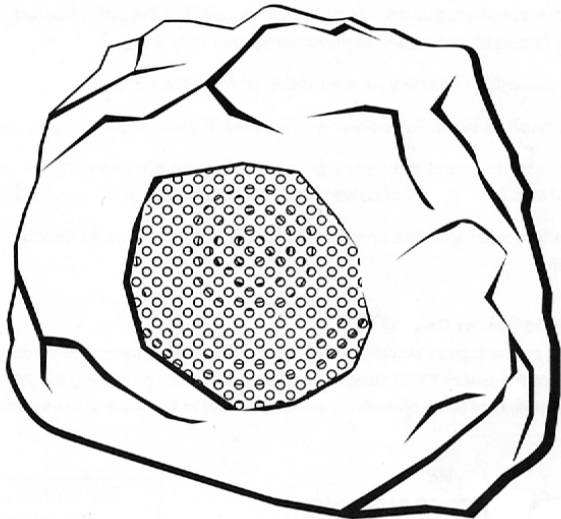
2 SPEAKERS PER CHANNEL CONNECTED IN PARALLEL

TECHNIAL SPECIFICATIONS

Model	SD-LPSPKR-6.5
Frequency Resp(-10dB)(Hz)	80-20K
Sensitivty(1W/1M)(dB)	88
Impedance(ohm)	8
RMS power(watts)	60
Peak power(watts)	70
Transformer tapes	70V:32-16-8-4-2W & 8ohms 100V:32-16-8-4-2W & 8ohms
Enclosure material	LLDPE
Environment	IP56
Product Dimensions(mm)	320x230x270



SD-LPSPKR-6.5 User Manual



OUTDOOR SPEAKER



Introduction

Thank you for purchasing this Symphonic Designs SD-LPSPKR-6.5 outdoor speaker. Please read these instructions carefully before installation.

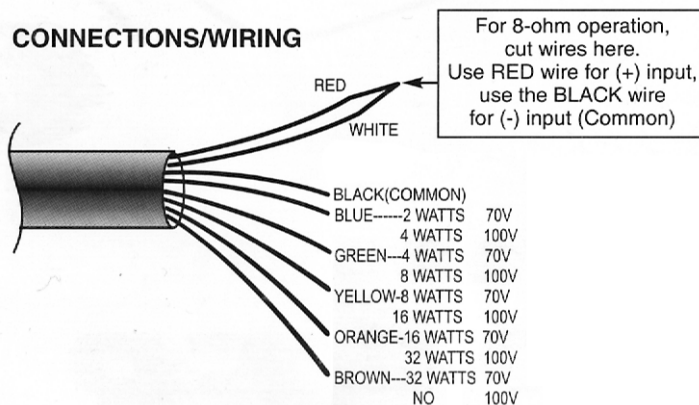
IMPORTANT: Symphonic Designs has made every effort to provide accurate and detailed instructions for this product's installation and use. Should you have any questions or doubts about the correct way to wire or use this speaker, please call Symphonic Designs' tech support at 610 429-1821. Choose "3" for tech support, then choose "5" for Symphonic Designs and other NACE Brands.

Read these instructions carefully before installation or use of this product

- 1) When these speakers are installed outdoors, ensure that the wiring is properly routed, concealed or buried, to ensure that it is not cut by typical landscaping maintenance.
- 2) Ensure the speakers sit firmly where placed and cannot tip over.
- 3) Turn down the volume level when switching inputs to the amplifier.
- 4) Do not use any chemical solvents to clean the speaker. Use only a damp cloth with mild cleanser.

Direct burial wire or conduit

In most cases, direct burial of the wire to the speaker should suffice. It may be necessary to use conduit to protect the speaker cable from the elements. Always check with your local building and electrical codes to ensure you are in compliance.



Connections can be protected using one of the following methods:

- Solder wires together and use waterproof heat shrink tubing to seal them.
- Use weatherproof wire connectors.
- Make connections with immersion-resistant crimp splices
- Use Ggrease wire caps.

Connection

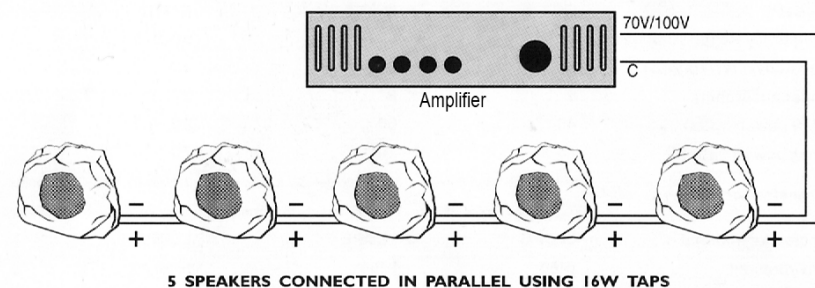
This speaker can be configured for use with 8 ohm amplifiers or 70V / 100V amplifiers. If using a 70V / 100V amp, use the black wire as common and then the appropriate colored wire to match the power and voltage of the amplifier.

If using an 8 ohm amplifier, cut the red and white wires where they join, then use the BLACK wire for common and the RED wire for Positive.

Precautions

- * Most speaker damage is caused by using an amplifier with too little power.
- * An overdriven amplifier clips the signal, sending distortion to the speakers.
- * Clipping is usually audible; distortion and clicks can be heard.
- * If you hear clipping, turn down the source material until the clipping stops.
- * Damage caused by improper use or powering of the speakers is not covered by the warranty.

EXAMPLE OF 70V/100V SYSTEM CONFIGURATION



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 $(5) \times (16) = 80$ Watts. A good rule of thumb is to select an amplifier with 20% greater power; in this case, an amplifier which delivers around 100 Watts.