

# Infinity®

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*COMPOSITIONS*

*Quadrupole Surround Speakers  
Model P-QPS*

**Owner's Manual**

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# INTRODUCTION

## QUADRAPOLE DESIGN...

Infinity Compositions P-QPS speakers are a pair of mirror-imaged surround-sound speakers with an advanced quadrapole design that creates a non-specific sound source over a wider-than-usual listening area. This unique surround speaker design provides greater flexibility in speaker/listener placement without sacrificing performance.

## FLEXIBLE PLACEMENT...

The P-QPS's elegant, thin-profile enclosure (in a black or white finish) is made to complement your home furnishings and its integrated display stand provides easy placement on a convenient shelf or table. Or, if you prefer, you can mount the P-QPS speakers on side or back walls by using the built-in direct-mount brackets or a pair of (optional) OmniMount® mounting systems.

## ABOUT THIS MANUAL...

Please read the remaining pages before connecting and operating the Infinity Compositions P-QPS speakers. Maximum performance is dependent on following these instructions, as well as those listed in the owner's manuals of associated components in your home theater system. Save these instructions for future reference. These speakers are covered by a limited five-year warranty, so save the bill of sale to protect your purchase and aid in any service-related questions.

## UNPACKING THE SPEAKERS

Finish unpacking the speakers and check the contents. If you suspect damage from transit, report it immediately to your dealer and/or delivery service. Keep the shipping cartons and packing materials for future use.

## PARTS LIST...

Please verify that the package contains the following items:

- ◆ (1) Quadrapole Left-Surround Speaker
- ◆ (1) Quadrapole Right-Surround Speaker
- ◆ (6) Clear Self-Adhesive Pads (protects furniture when standing speakers on shelves or tables)
- ◆ Owner's Manual and Warranty Card

## TOOLS AND SUPPLIES...

Depending on your choice of installation, you may also need the following tools and supplies:

- ◆ High-quality speaker wire
- ◆ Wire strippers
- ◆ (4) Banana plugs or spade terminals (optional)
- ◆ (2) #8 x 1½" Phillips-head wood screws (for wall-mounting of speakers – optional)
- ◆ Drill with ⅛" bit (optional)
- ◆ Phillips screwdriver (optional)
- ◆ (2) OmniMount #50ST-MP Mounting Systems (optional)

# PLANNING YOUR SYSTEM

To help plan your home theater system, we've included two system applications, as shown in Figures 1 and 2. The first one represents a typical living room where the home theater system is the main focus. In the second application, the furniture is arranged for fireplace viewing, and the entertainment center is in a corner.

Since Compositions P-QPS surround speakers use a quadrapole design, exact placement is not critical. For best results, position the speakers so they are level with or behind the listeners (typically seated on a couch). Place them at a height at or above ear level (28" or 0.7 m, depending on the available shelf or wall space). Make sure the speaker marked left (on its rear label) is on the left side (as you face forward), and the speaker marked right is on the right side (see Figure 1).

Set each speaker on any convenient shelf or table via the built-in display stand (see Figure 3 on page 4). Or use the built-in wall-mount brackets or optional OmniMount Mounting Systems (see Figures 4 and 5 on pages 4 and 5) for a more permanent mounting method.

## SURROUND PLACEMENT CONCERNS...

## STAND-UP OR WALL-MOUNT...

*Figure 1. This overhead view shows a typical home theater plan. The Compositions P-QPS speakers can be placed on stands in the noted areas or wall-mounted (on side or back walls) to surround listeners.*

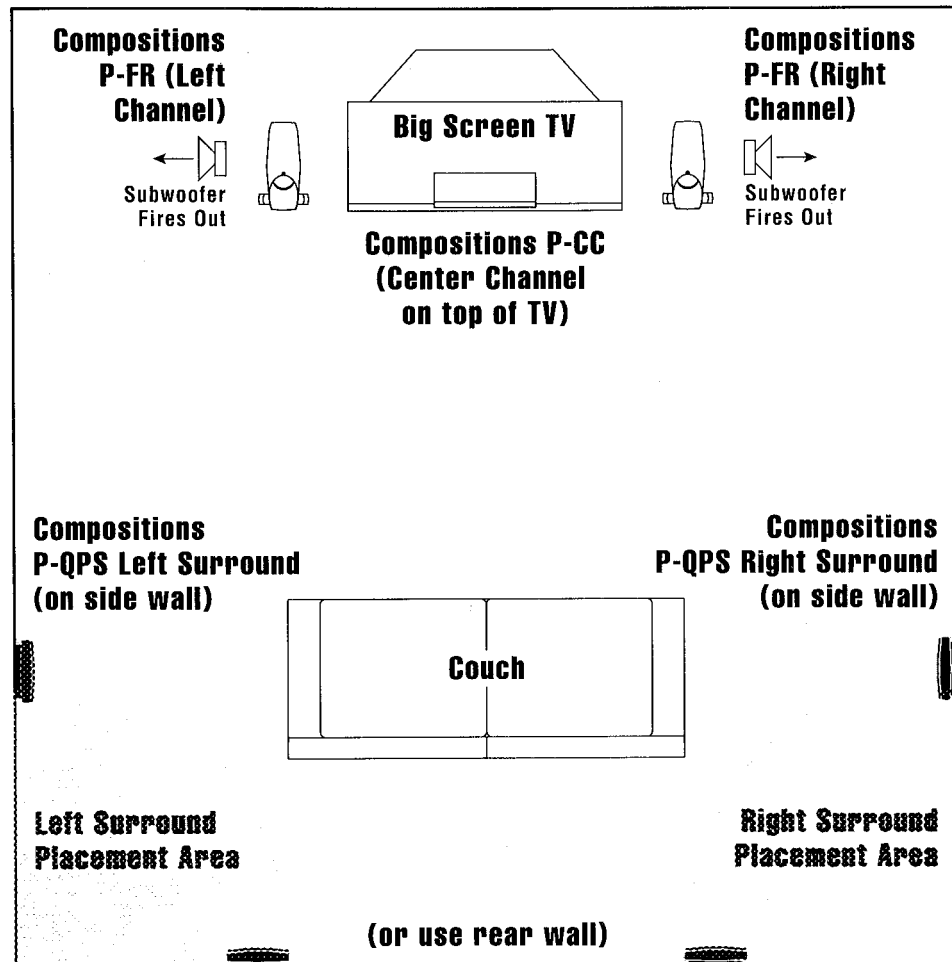
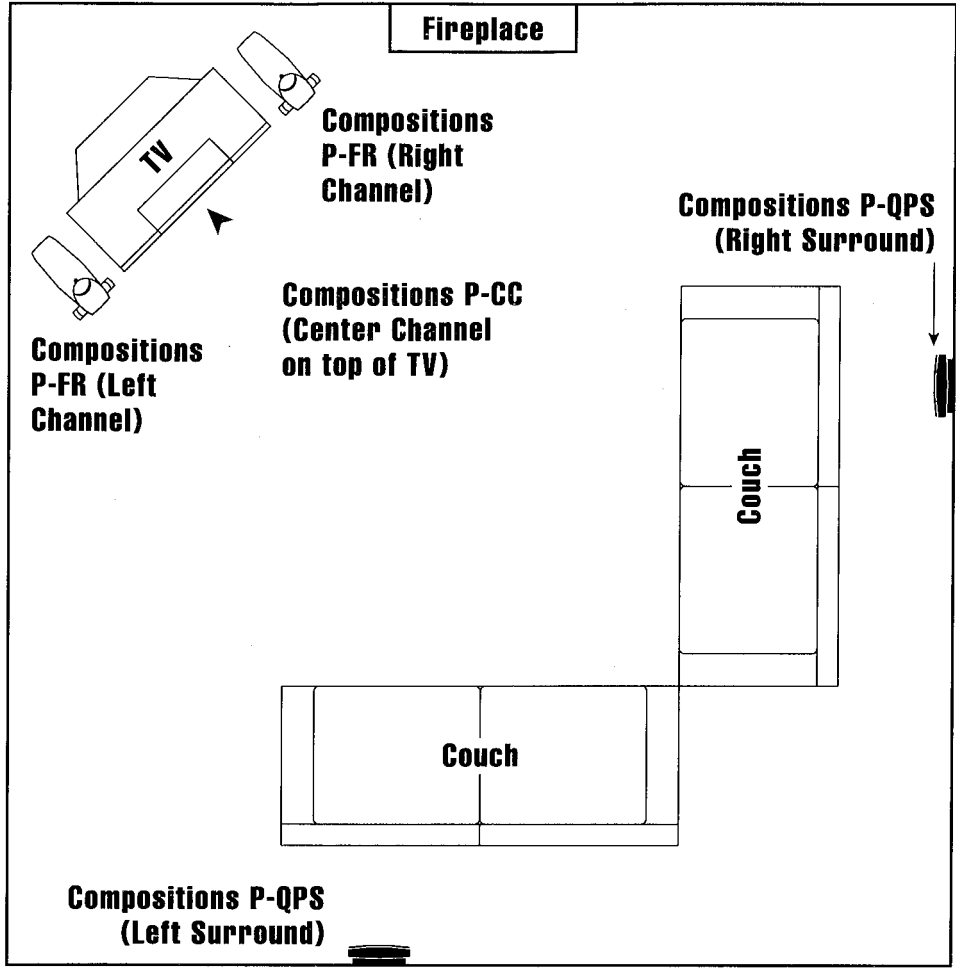


Figure 2. This layout is often preferred when a fireplace is the centerpiece of the room.

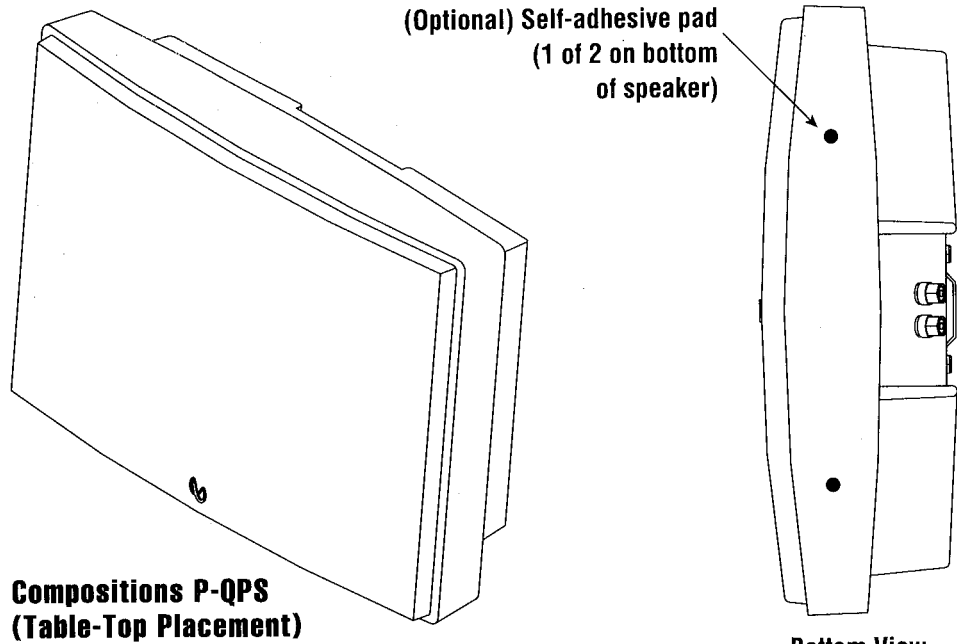


# PLACEMENT AND MOUNTING

## TABLE-TOP PLACEMENT...

The Infinity Compositions P-QPS surround speakers are equipped with integral display stands for easy placement on a shelf or table. If desired, use clear self-adhesive pads to protect the furniture's finish (as shown in Figure 3).

*Figure 3. Compositions P-QPS surround speakers are designed for easy table-top placement via built-in display stands.*



**Compositions P-QPS  
(Table-Top Placement)**

**Bottom View**

## WALL-MOUNT OPTIONS...

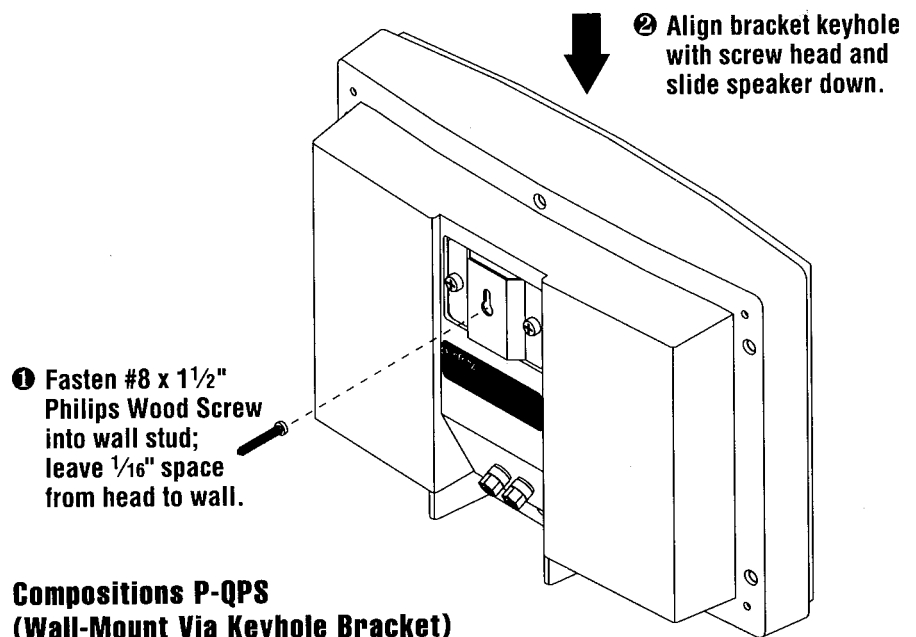
### IMPORTANT!

For wall-mounting, you can use the speaker's key-hole wall-mount bracket (see Figure 4) or a pair of (optional) OmniMount #50ST-MP Mounting Systems (see Figure 5 on opposite page).

*If you are unsure of how to safely and securely wall-mount a speaker, please ask a home theater or hardware specialist for additional help.*

*Figure 4. Use the built-in keyhole bracket to mount Compositions P-QPS surround speakers on walls.*

**NOTE:** Be sure to fasten each #8 x 1½" Phillips-head wood screw into a wall stud before hanging a speaker on its bracket.



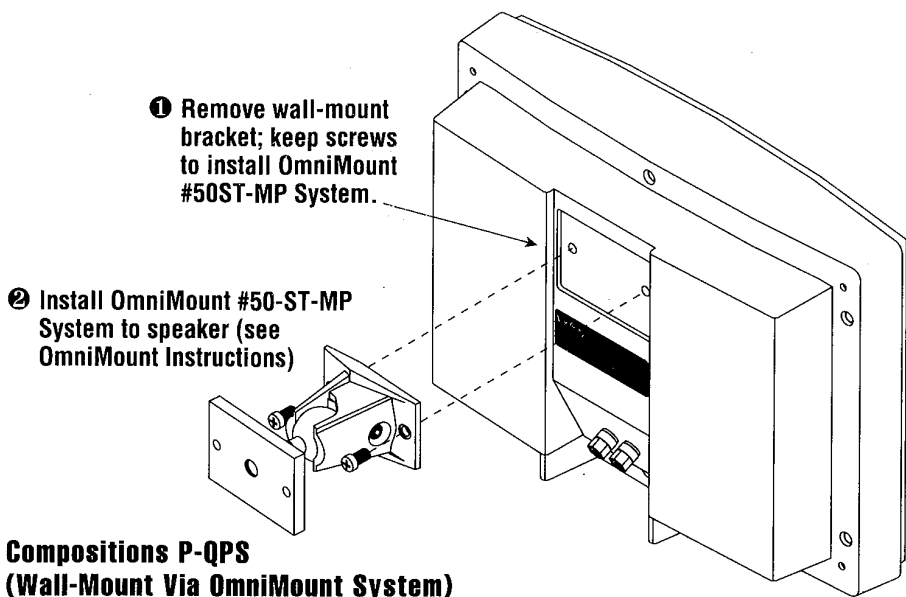
**1** Fasten #8 x 1½" Phillips Wood Screw into wall stud; leave 1/16" space from head to wall.

**2** Align bracket keyhole with screw head and slide speaker down.

**Compositions P-QPS  
(Wall-Mount Via Keyhole Bracket)**

Figure 5. As an option, use a pair of OmniMount #50ST-MP Mounting Systems (available from your home audio dealer) to wall-mount Compositions P-QPS speakers.

*NOTE: Follow the instructions packed with the product to correctly and securely install each assembly.*



# WIRING THE SYSTEM

After placing the speakers, you are ready to connect your system. First turn off all audio system power. Use high-quality speaker wire to make the connections. Consult the owner's manuals (included with your amplifier, receiver, or television) for connection and operation procedures.

Compositions P-QPS speakers have gold-plated terminals that accept a variety of wire connectors (see Figure 6 below). Observe correct polarities when making speaker connections, as shown in Figure 7 (on the opposite page).

Connect each + terminal on the back of the amplifier, receiver, or television to the respective + (red) terminal on each Compositions P-FR speaker. Similarly, connect the (black) terminals in the same way.

*Do not reverse polarities (i.e., + to - or - to +) when making connections.*

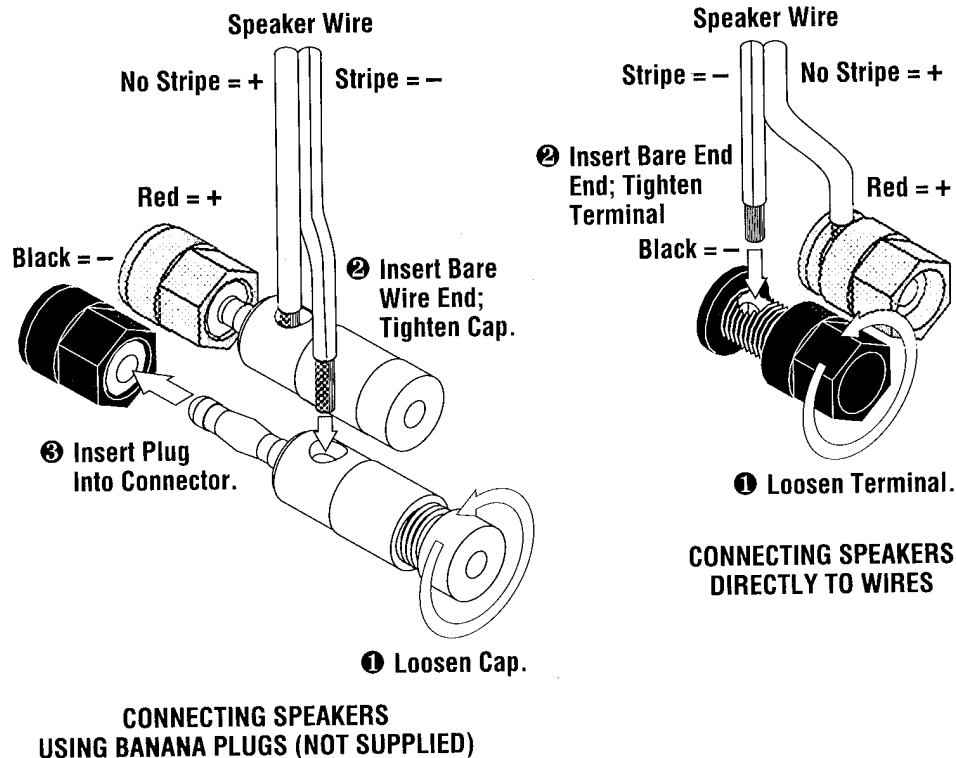
## IMPORTANT!

## TESTING THE SPEAKERS

After placing and wiring the speakers, turn on audio system power. Follow the instructions (packed with your A/V preamplifier or receiver) to calibrate the Dolby® Pro Logic channels. Most components include a built-in test tone to help you balance the sound levels to all speakers in your system. During the calibration, verify that each Compositions P-QPS reproduces the test tone. If not, check the wiring connections and see the *Troubleshooting* chart (on page 8) for help.

*NOTE: Compositions P-QPS surround speakers add a subtle ambient effect that is more noticeable when surround sound is off than when it's on.*

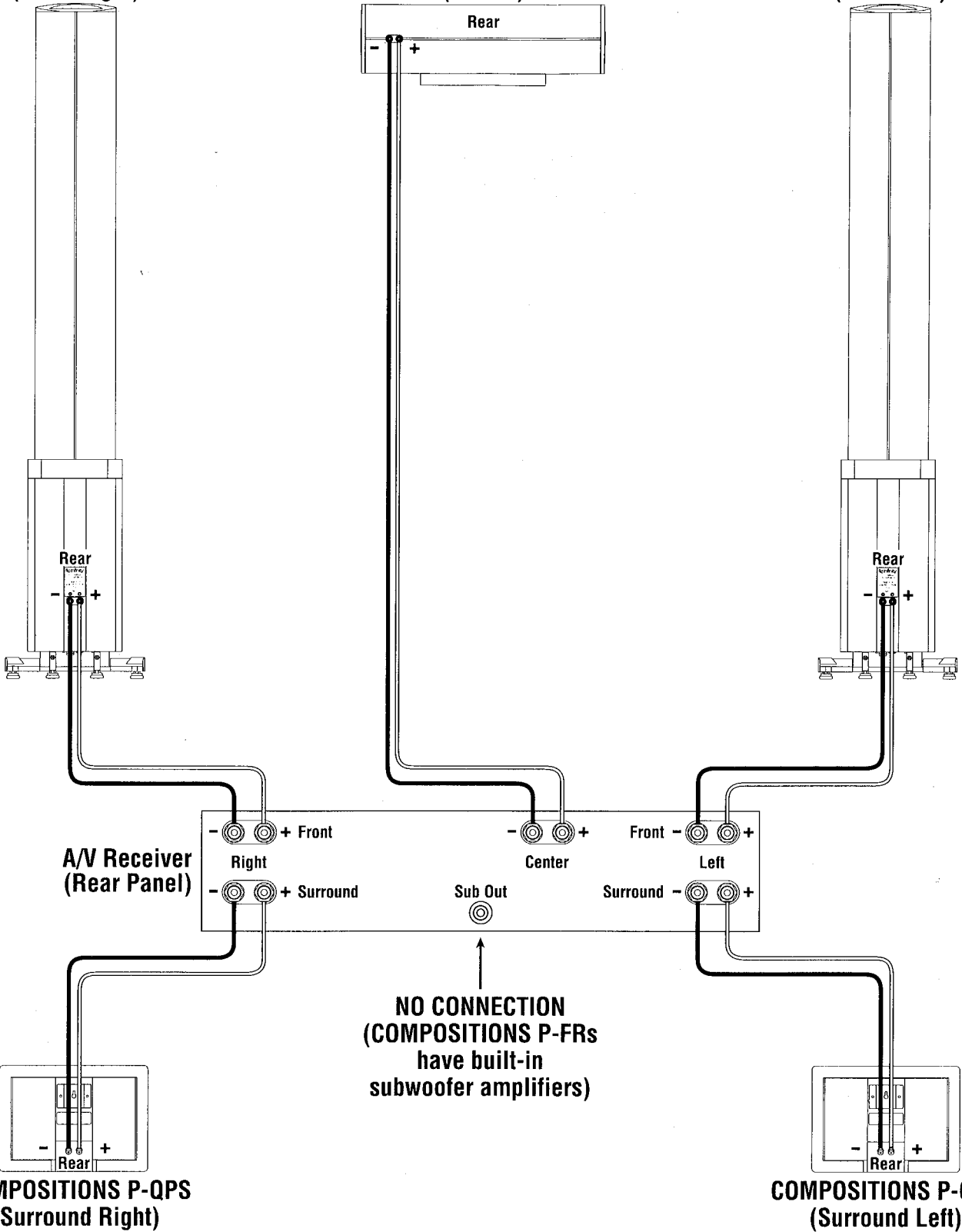
*Figure 6. Compositions P-QPS surround speakers feature gold-plated terminals that can be connected in several different ways; e.g., banana plugs, spade terminals (not shown), and direct wiring.*



**COMPOSITIONS P-FR  
(Front Right)**

**COMPOSITIONS P-CC  
(Center)**

**COMPOSITIONS P-FR  
(Front Left)**



**NO CONNECTION  
(COMPOSITIONS P-FRs  
have built-in  
subwoofer amplifiers)**

*Figure 7. Wiring diagram shows connections for a typical home theater system.*



# CARE OF YOUR SPEAKER SYSTEM

Each Compositions P-QPS cabinet is made of a mineral-filled polymer and does not require any routine maintenance. When cleaning is needed, first make sure power is off, and then use a soft cloth, pre-dampened with a solution of mild detergent and water, to remove any fingerprints or to wipe off dust. **DO NOT USE ANY OTHER CLEANING PRODUCTS OR POLISHES.**

The plastic grille can be cleaned with gentle vacuuming. To clean more stubborn marks, remove the grille by squeezing the sides and use a soft pre-dampened cloth (same as above) to clean the surface. When finished, replace the grille by inserting the edges into the grille channel around the cabinet.

## TROUBLESHOOTING

SYMPTOM	CAUSE	SOLUTION
No sound	Power is off	See A/V preamplifier or receiver's owner's manual for operation and further help
	Speakers not connected	Connect speakers (see pages 6 and 7)
Distortion with volume control near minimum	Defective A/V preamplifier or receiver	Repair defective A/V preamplifier or receiver
	Shorted speaker wires	Check or repair wiring (see pages 6 and 7)
Distortion on music peaks or sound effects (e.g., pops or rapping noise)	Dynamic soundtrack (e.g., explosions) causes speaker to "bottom" out	Turn down master volume control to lower overall range
	Tone controls are set too high	Set bass and treble flat; use controls sparingly
Buzz, hum, or crackle when connecting wires	Connecting wires with power on causes transient signal spikes	Connect wires only when audio system power is off
Buzz or hum when A/V preamplifier or receiver is on	Grounding problem	See A/V preamplifier or receiver's owner's manual for operation and further help

# SPECIFICATIONS

## PERFORMANCE DATA

Frequency Range:	50 ~ 15,000 Hz 80 ~ 10,000 Hz $\pm$ 2 dB (spatially averaged)
Sensitivity:	90 dB @ 2.83 V and 1 m (spatially averaged)
Impedance:	8 $\Omega$
Maximum Peak Output:	110 dB (spl on program)
Amplifier Requirements:	Suitable for use with amplifiers 10 ~ 100W (@ 8 $\Omega$ )

## DRIVE UNITS

Low Frequency:	1 x 5 1/4" (125 mm) high-efficiency, long-throw
Mid/High Frequency:	4 x 3 1/2" (90 mm), high output, neodymium magnet
Crossover Frequency:	350 Hz

## DIMENSIONS

Width:	13 7/8" (353 mm)
Height:	10" (245 mm)
Depth:	4 1/2" (114 mm)
Weight:	7 lb (3.2 kg) each