

Infinity®

COMPOSITIONS

*3-Way Center Channel
Model P-CC*

Owner's Manual

INTRODUCTION

VOICE-MATCH DESIGN...

The Infinity Compositions P-CC center-channel speaker is a 3-way voice-matched version of the full-range 4-way Compositions P-FR speaker array. It uses the same slender center section to achieve high efficiency and extended high-frequency response for exceptional dialogue reproduction and smooth audio pans in a home theater system.

FLEXIBLE PLACEMENT...

This magnetically-shielded speaker integrates sonically with the television screen to reinforce bass and requires only minimal power to produce sound levels greater than those heard in a movie theater. The accompanying speaker stand allows a vertical tilt range of 25 degrees for ideal sound coverage when placed on top of or below the television. For connection convenience, a pair of gold-plated banana plugs is enclosed for pre-wiring of speaker cables.

ABOUT THIS MANUAL...

Please read the remaining pages before connecting and operating the Compositions P-CC speaker. 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 SPEAKER

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

Please verify that the package contains the following items:

- ◆ (1) Compositions P-CC Center-Channel Speaker
- ◆ (1) Speaker Stand
- ◆ (2) Gold-Plated Banana Plugs
- ◆ Owner's Manual and Warranty Card

You may also need the following tools and supplies:

- ◆ High-quality speaker wire
- ◆ Wire strippers

PARTS LIST...

TOOLS AND SUPPLIES...

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.

PLACEMENT CONCERNS...

For best results, place the Compositions P-CC center-channel speaker on its stand, either on top (or below) the television. Tilt it down (or up) so the front is aimed toward the ears of intended listeners (see Figures 3 and 4 on page 4). Also position the speaker so the front grille is even with the TV screen, as shown in Figures 1 and 2.

Figure 1. This overhead view shows a typical home theater plan. The Compositions P-CC speaker is designed for placement on top or below a television.

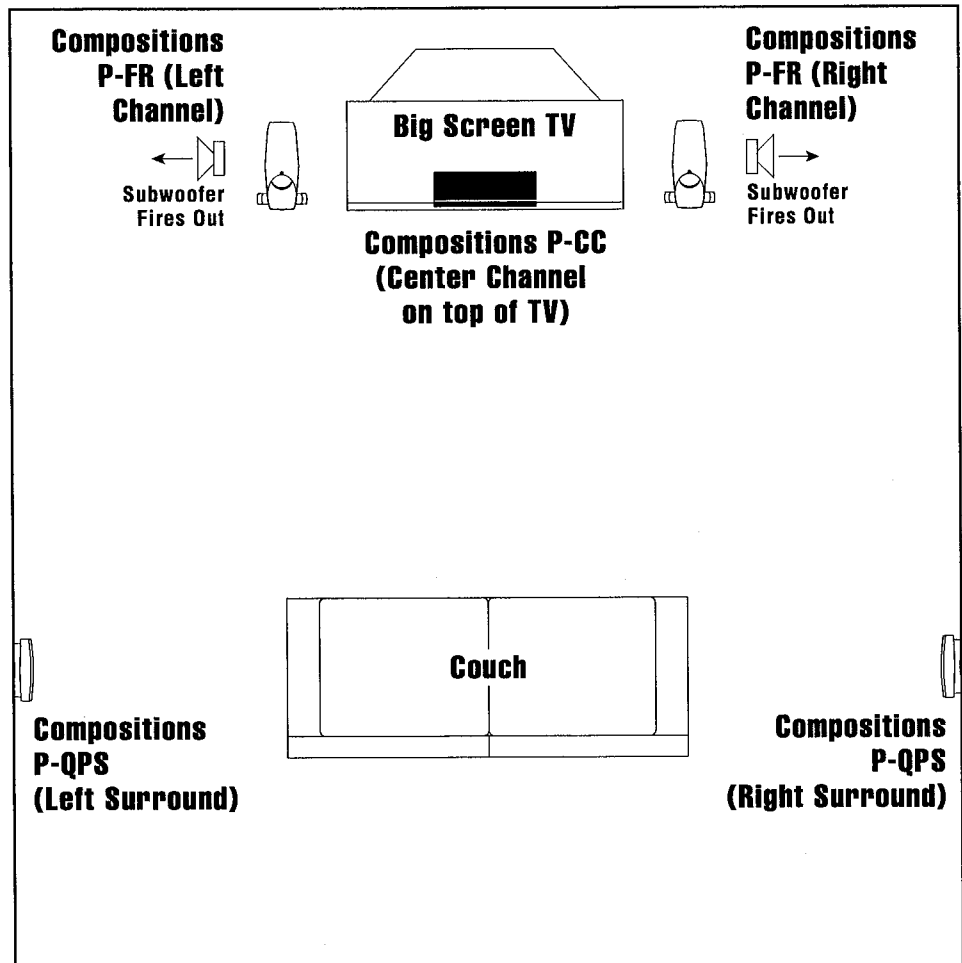
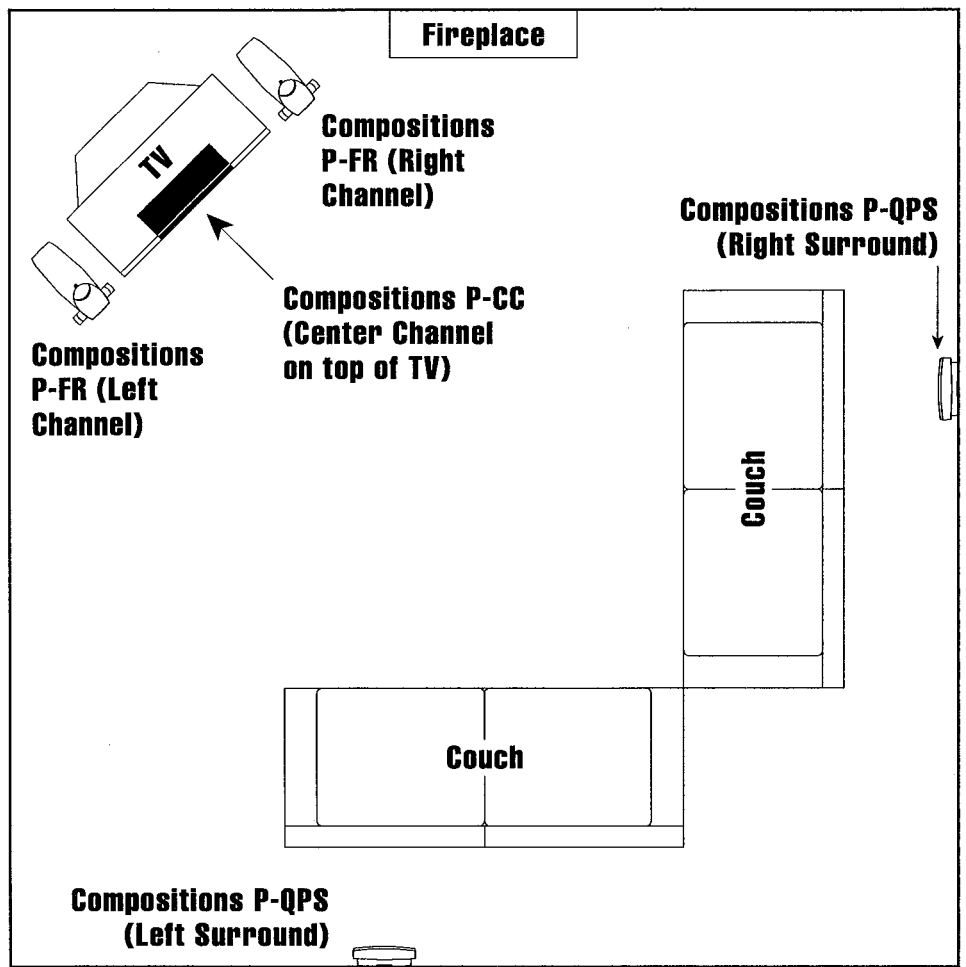


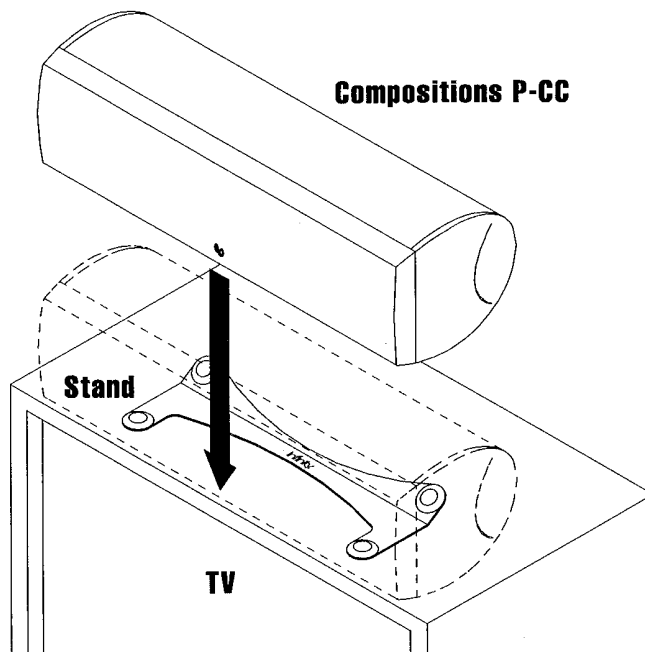
Figure 2. This layout is often preferred when a fireplace is the centerpiece of the room.



PLACEMENT

The Compositions P-CC center-channel speaker is designed for easy placement on top of (or below) a television via the enclosed stand, as shown in Figure 3.

Figure 3. This example shows the Compositions P-CC center-channel speaker being placed on top of a television. The speaker can also be placed below the television and tilted up (see Figure 4).



TILTING THE SPEAKER...

IMPORTANT!

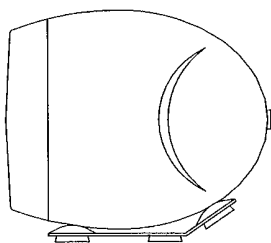
If needed, the enclosed stand allows you to tilt the speaker across a 25-degree range (i.e., 18° up and 7° down), as shown in Figure 4.

DO NOT EXCEED THE TILT RANGE. Doing so may cause the speaker to fall out of its stand.

Figure 4. The Compositions P-CC can be tilted up or down in its stand.

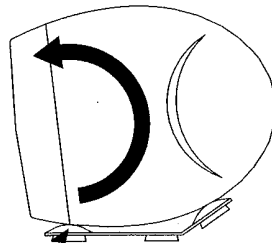
Compositions P-CC Tilt Range (Side View)

No Tilt
(normal use)

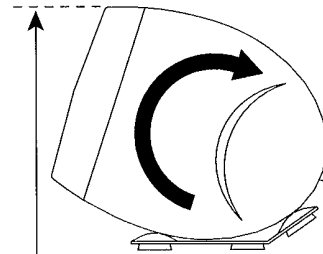


do not exceed maximum
down tilt (when bottom
of grille touches bumper)

Tilt Down
(when on top of TV)



Tilt Up
(when below TV)



do not exceed maximum
up tilt (when top of
grille is level)

WIRING THE SYSTEM

After placing the speaker, you are ready to connect it to 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.

IMPORTANT!

On your Dolby Pro Logic preamplifier or A/V receiver, set the center-channel mode to NORMAL. This will route the low frequencies (below 100 Hz) away from the center-channel speaker to the front left and right speakers.

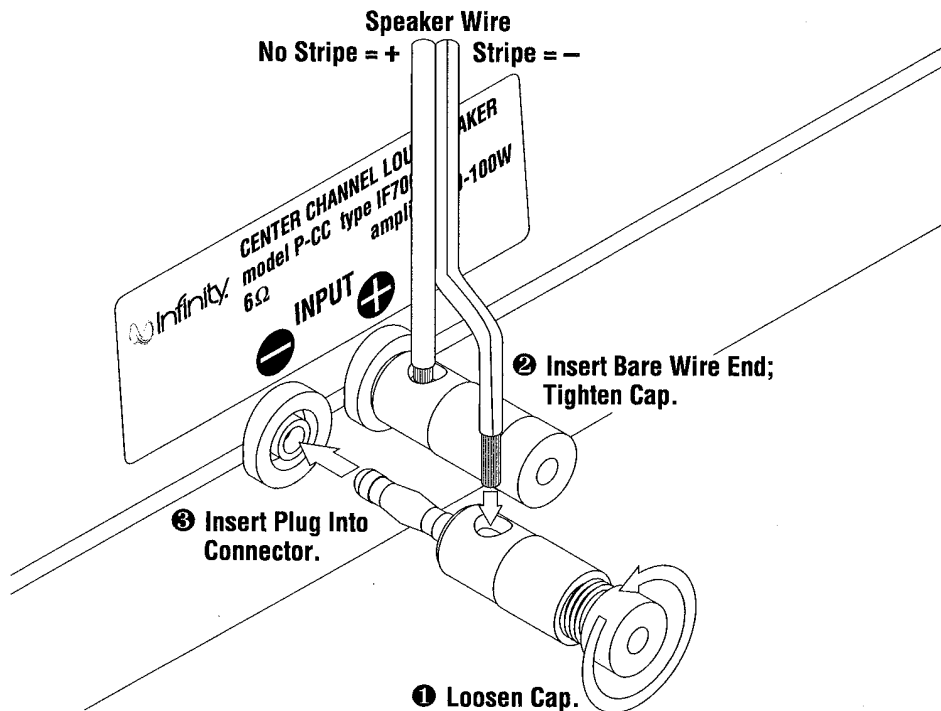
WIRING AND POLARITY...

The Compositions P-CC speaker has gold-plated terminals that accept the enclosed gold-plated banana connectors (see Figure 5 below). Observe correct polarities when making speaker connections, as shown in Figure 6 (on the next page). Connect each + terminal on the back of the amplifier, receiver, or television to the respective + (red) terminal on the Compositions P-CC speaker. Similarly, connect the (black) terminals in the same way.

IMPORTANT!

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

Figure 5. The Compositions P-CC center-channel speaker features gold-plated terminals for connection with the enclosed gold-plated banana plugs.



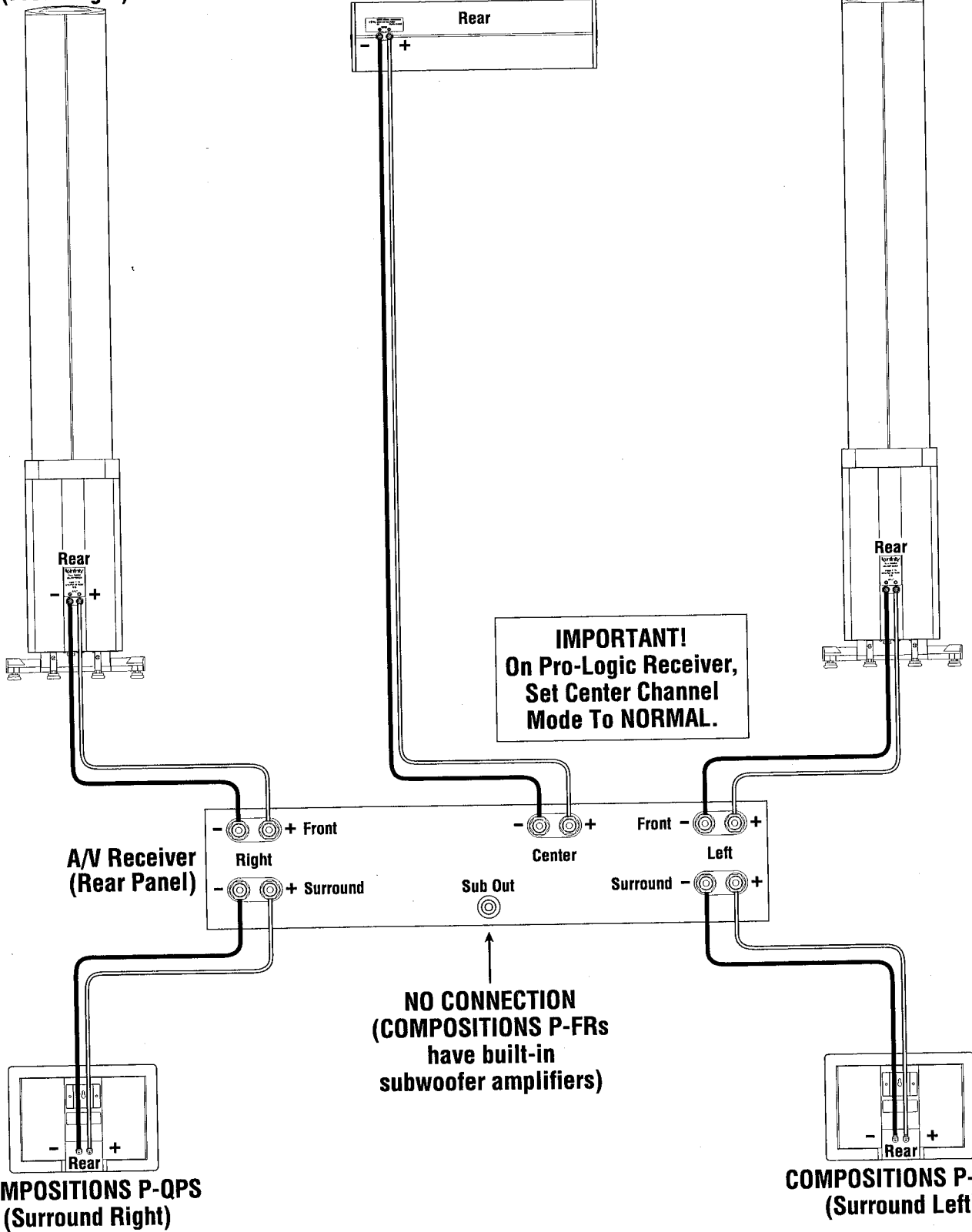
TESTING THE SPEAKER

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 calibration, verify that the Compositions P-CC speaker reproduces the test tone. If not, check the wiring connections and see the *Troubleshooting* chart (on page 7) for help.

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

**COMPOSITIONS P-CC
(Center)**

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



**A/V Receiver
(Rear Panel)**

**IMPORTANT!
On Pro-Logic Receiver,
Set Center Channel
Mode To NORMAL.**

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

**COMPOSITIONS P-QPS
(Surround Right)**

**COMPOSITIONS P-QPS
(Surround Left)**

Figure 6. Wiring diagram shows connections for a typical home theater system.

CARE OF YOUR SPEAKER SYSTEM

Each Compositions P-CC cabinet is finished in a soft-touch charcoal-grey paint and does not require any routine maintenance. When needed, use a soft cloth, dampened with water only, to remove any fingerprints or to wipe off dust. **DO NOT USE ANY CLEANING PRODUCTS OR POLISHES.** Clean the grille by gentle vacuuming.

TROUBLESHOOTING

SYMPTOM	CAUSE	SOLUTION
No sound	Power is off; Pro Logic decoder is off	See A/V preamplifier or receiver's owner's manual for operation and further help
	Speaker not connected	Connect speaker (see pages 5 and 6)
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 5 and 6)
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:	80 ~ 20,000 Hz 120 ~ 20,000 Hz +2 dB (-10 dB @ 80 Hz)
Sensitivity:	96 dB @ 2.83 V and 1 m (anechoic conditions)
Impedance:	6 Ω
Maximum Peak Output:	118 dB (spl on program)
Amplifier Requirements:	Recommended for use with amplifiers 10 ~ 150W (@ 8 Ω)

DRIVE UNITS

Low Frequency:	2 x 5 1/4" (125 mm) high-efficiency, long-throw, magnetically-shielded
Mid Frequency:	2 x 4" (100 mm), high-efficiency, polypropylene diaphragm, magnetically-shielded
High Frequency:	1 x 1" (25 mm), soft-dome, high-efficiency, neodymium magnet, magnetically-shielded, elliptical wave guide
Crossover Frequencies:	350 Hz, 3,000 Hz

DIMENSIONS

Width:	23" (585 mm)
Height:	6 1/2" (165 mm)
Depth:	7 5/8" (194 mm)
Weight:	21 1/4 lb (9.65 kg)

LIMITED FIVE YEAR WARRANTY

Who is protected by the warranty?

Your Infinity warranty protects the original retail purchaser and all subsequent owners for a period of five (5) years (parts and labor) for all speaker components from any failure as a result of an original manufacturing defect so long as: (1) your Infinity loudspeakers were purchased within the fifty states of the U.S.A. or by military personnel from an authorized military outlet and (2) the original dated bill of sale is presented whenever service is required during the warranty period. This warranty does not apply to products purchased elsewhere; other purchasers should contact their local Infinity distributor for warranty information.

What does the Infinity warranty cover?

Except as specified below, this warranty covers all defects in original materials and workmanship. The following are not covered: damage caused by accident, misuse, abuse, neglect, product modification; damage occurring during shipment, damage caused by failure to follow instructions in the owner's manual, including failure to perform recommended periodic or routine maintenance; damage resulting from repairs by someone not authorized by Infinity; claims based upon any misrepresentations by the sellers; and any Infinity product on which the serial number has been altered, defaced or removed.

Who pays for what?

During the period of this warranty, subject to the above conditions, Infinity will pay all of the labor and material expenses to repair a warrantable defect.

How can warranty service be obtained?

In the event that your loudspeaker(s) should require service, you should first contact the Infinity dealer from whom the product was purchased or, if this is not practical, contact Customer Service in writing at:

Infinity Systems, Inc., 20630 Nordhoff Street, Chatsworth, CA 91311 USA

or by calling us at (818) 407-0228 (FAX: 818-709-9486)

We may direct you to an authorized service center for Infinity product or ask you to send them to us for repair. In either case you will have to present your original dated bill of sale to establish warranty coverage. Do not send your speaker(s) to us without prior authorization from our Customer Service department.

You are responsible for transporting your product to either Infinity or an authorized service center and for payment of all shipping charges; however, Infinity will pay the return shipping charges (in the event you return the product to us) if the repairs are covered by the warranty. If you experience difficulty in transporting your product or are in need of packing materials, please advise us and we may be able to suggest alternative procedures and/or adequate packaging materials.

LIMITATION OF IMPLIED WARRANTIES: All implied warranties, including fitness for a particular purpose and merchantability are limited in duration to the length of the warranty period for your product.

LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES: Infinity is not responsible for an incidental or consequential damage of any kind. Our liability is limited to the repair or replacement, at our option, of a defective product.

Some states do not allow limitations on how long an implied warranty lasts and/or do not allow the exclusion of incidental or consequential damages, so the above limitations or exclusions may not apply to you. This warranty gives you specific legal rights and you may also have other rights which vary from state to state.

NOTE: In the event that there is a difference between this warranty and the provisions in any advertisements, product brochure or packaging cartons, the terms of this warranty will prevail.

Infinity constantly strives to update and improve existing products, as well as create new ones. Therefore the specifications and construction details in this and related Infinity publications are subject to change without notice.

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