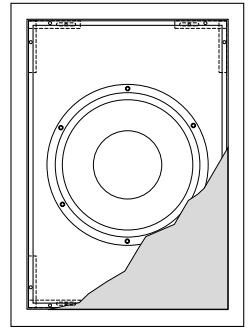
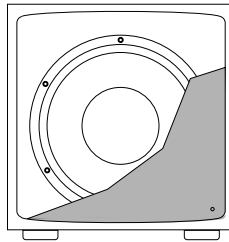




# Triad Installation Guide

InWall & InRoom Subwoofers



## Products

InRoom Bronze PowerSub

InRoom Silver PowerSub

InRoom Gold PowerSub

InRoom Platinum PowerSub

InWall Bronze/4 PowerSub

InWall Bronze/6 PowerSub

InWall Bronze/10 PowerSub

InWall Silver/15 PowerSub

## ***Thank You...***

For purchasing one of Triad's high performance Subwoofers.

Every Triad product is designed and manufactured for both optimum performance and minimum impact on your décor.

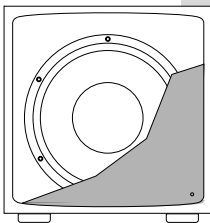
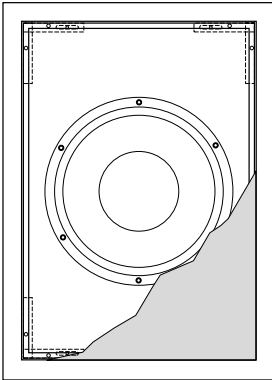
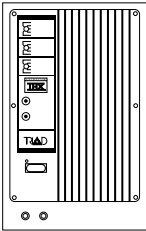
All Triad PowerSubs are engineered and handcrafted with pride in the United States of America.

Please take the time to review this information. We have developed this manual so you would be familiar with all the performance features, and could better appreciate the superb engineering that has been built into your Triad loudspeakers.

Thanks again and happy listening.

Larry Pexton  
President

# Table of Contents



<b>Triad Speakers PowerSub Information and Installation Instructions</b>	<b>Page:</b>
Triad PowerSub Amplifier Features	3
New Construction Installation	4
Triad PowerSub Amplifier Wiring: Two Channel Stereo	5
Triad PowerSub Amplifier Wiring: Multi Channel Surround	6
InWall PowerSub Amplifier: Speaker Wiring Diagram	7
Volume Control Wiring Diagram	8
Product Specifications	9
InRoom Platinum Specifications	10
InRoom Platinum PowerSub Amplifier Features	11
InRoom Platinum PowerSub Amplifier Wiring	12
Triad Rack Amplifier: Adjustments/Amplifier Wiring	13
Warranty and Dealer Information	14

## Triad PowerSub Amplifier:

### Features & Adjustments

#### Input Level

This controls the gain of the subwoofer amplifier when using the left and right inputs.

#### Lowpass A / Lowpass B:

Each control operates an independent 12dB per octave low pass filter. The two filters are in parallel and their effects are combined to achieve 24dB roll-off above the highest common frequency.

#### Phase Control

The phase control adds up to 180 degrees of phase lag to the subwoofers signal. Use it to improve the subwoofer to main speaker blending, especially where the phase of the main signal may have been inverted.

#### Left & Right Inputs (20Hz)

Use these inputs for increased frequency response below 35Hz, and where you wish to have use of the Input Level control and high pass outputs of the sub.

#### Theater Input (35Hz)

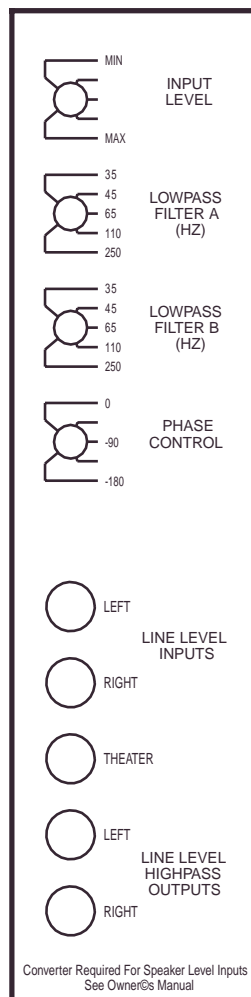
Use this input with processors and A/V receivers when you wish to maximize output above 35Hz. This is a fixed input level designed to give maximum headroom. When using this input, the Input Level control does not function.

#### High Pass Outputs:

The high Pass outputs provide a signal for your main speaker's amplifier which has a fixed 12dB per octave high pass filter at 100 Hz. Requires use of Left and Right inputs.

#### Left & Right Inputs - Using the PowerSub's Speaker to Line Level Converter

These convert speaker level at your receiver or power amp to the line level required for use in your PowerSub's line level inputs.



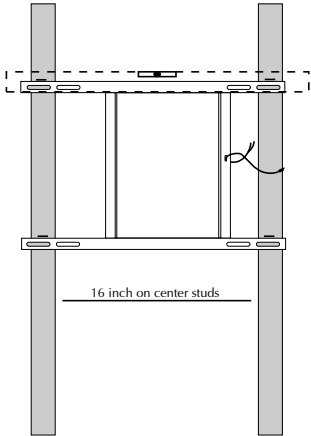
## New Construction Installation

### Tools you'll need:

- Power Screw Driver or Hammer
- Wire Strippers
- Level
- Pencil or Pen

### Supplies you'll need:

- Triad (NCB) New Construction Bracket
- Screws or Nails for attaching NCB to studs

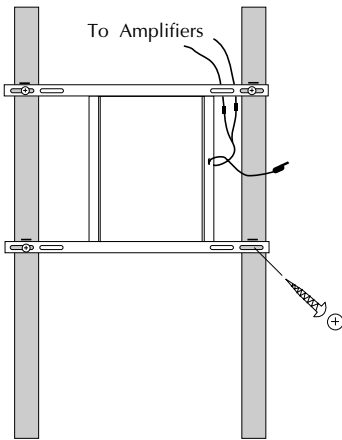


### Step One - Mark

Locate the area where the speaker will be placed on the stud wall keeping in mind that the speaker when installed will take up the *full wall cavity* within the NCB location (i.e. free from electrical wires, water pipes, etc.).

Position the bracket between the desired two studs. Take special note of the location, of the direction arrows silk screened to the inside of the bracket. As you face the wall these arrows should be facing into the room.

With the level resting on top of the NCB make sure the bracket's top is level and mark with pencil, the location where the NCB touches the studs.



### Step Two - Attachment

Re-check NCB alignment with marks from step one, and attach screws through attachment holes on NCB. Re-check squareness and adjust if necessary.

### Step Three - Wire

Attach the wires from the source to the speaker.

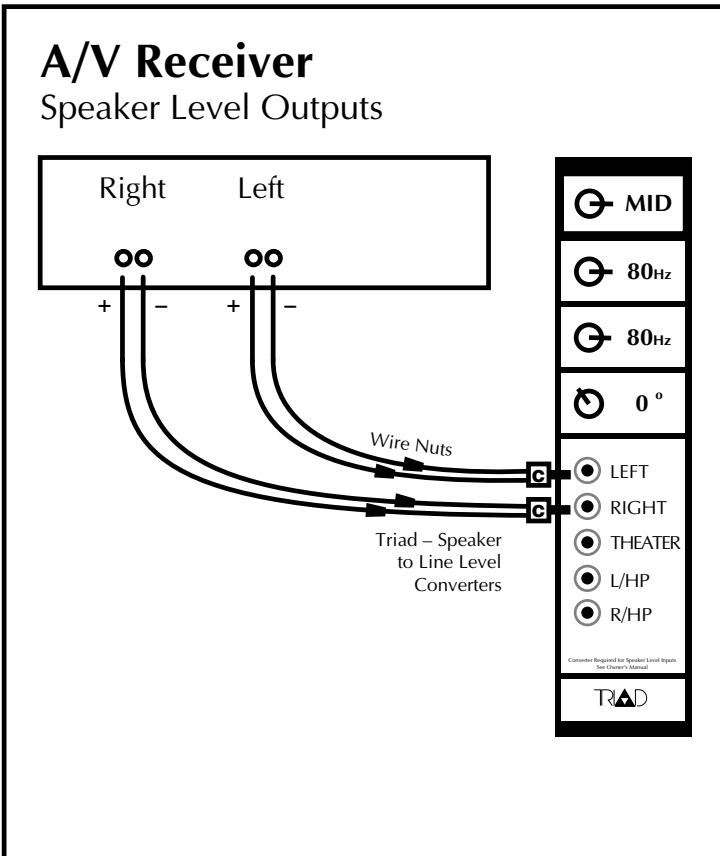
You're done! Now the sheet rock people can sheet rock directly to the NCB for a clean look. When you're ready to install the speaker, refer to step two of the "*Retro-fit Installation*" section of this manual.

# Triad PowerSub Amplifier

## Wiring Diagram (typical methods)

### Two Channel Stereo

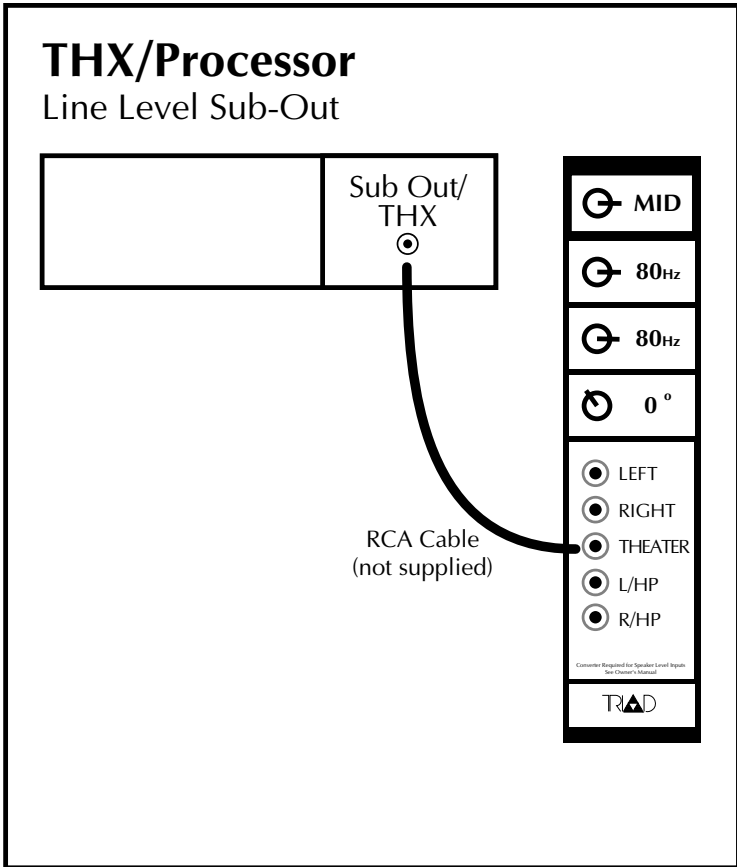
**Speaker Level** – Alternate method if no pre-out connection jacks are available or using volume control.



# Triad PowerSub Amplifier Wiring Diagram (typical methods)

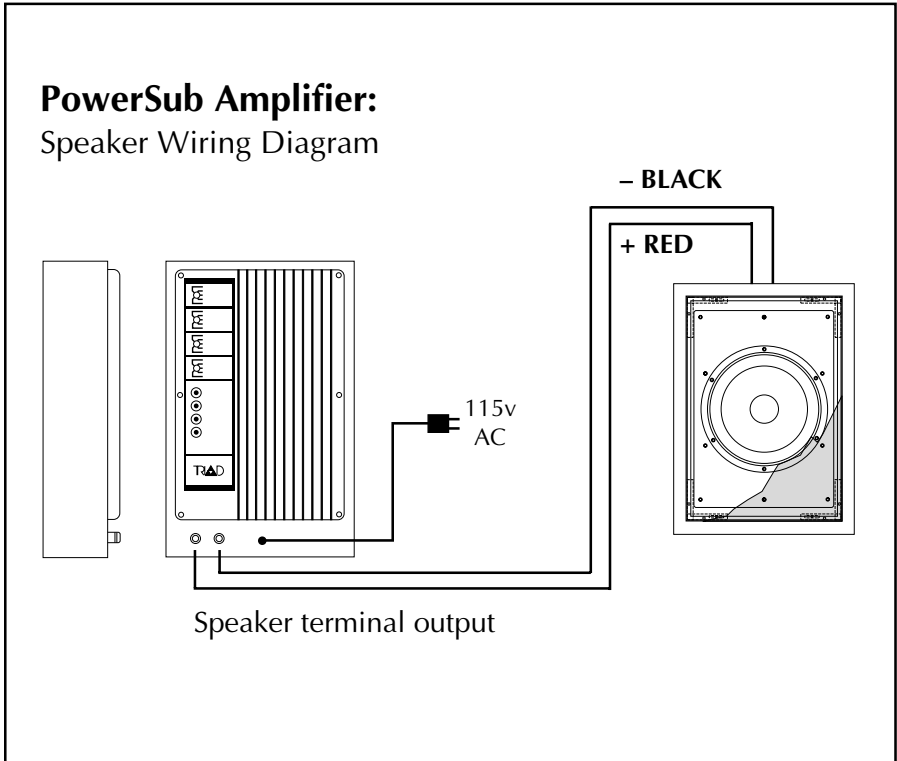
## Multi Channel Surround

**Line Level** – Preferred method if subwoofer output is available.

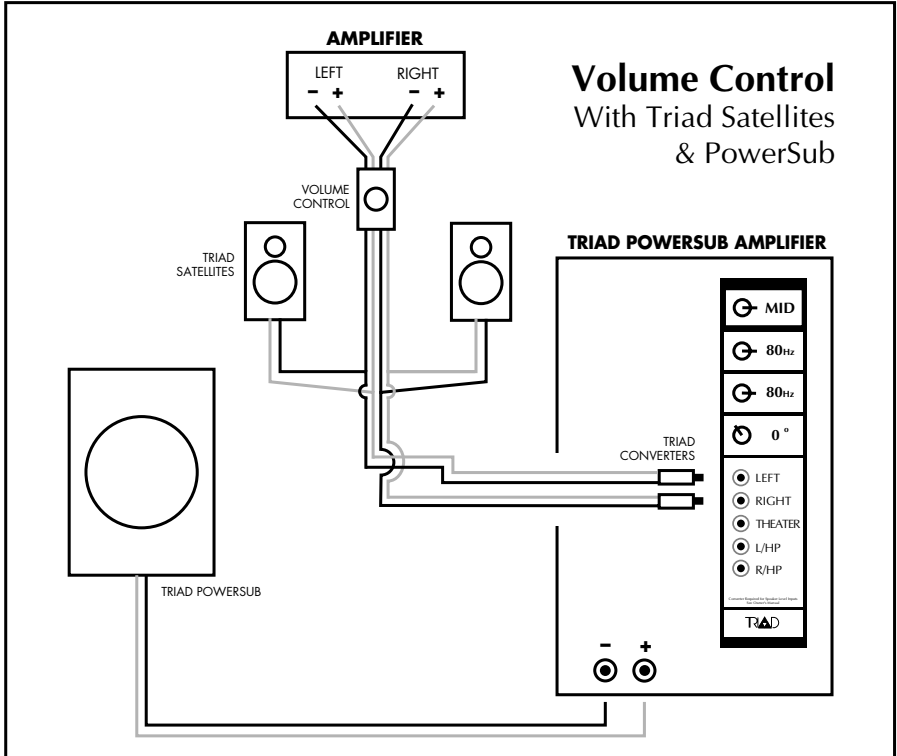


## ***InWall PowerSub: Speaker Wiring Diagram***

Triad InWall PowerSub Amplifier  
with Single Speaker Enclosure:



## Volume Control Wiring Diagram: Satellites & PowerSub



From the volume control, "Y" the speaker wires so that one set goes to the Satellites, and the other set goes to the Triad PowerSub amplifier through a converter. You may only "Y" one channel if you wish to limit deep bass by using the Theater input on the Triad PowerSub amp.

## Product Specifications:

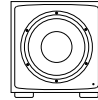
### InRoom Bronze PowerSub

Cabinet width 13 1/2"  
 Cabinet height with feet 14 1/4"  
 Cabinet depth 13"  
 Shipping weight 40 lbs.



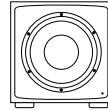
### InRoom Silver PowerSub

Cabinet width 15 1/2"  
 Cabinet height with feet 16 1/4"  
 Cabinet depth 14 1/2"  
 Shipping weight 70 lbs.



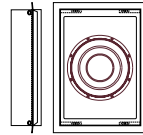
### InRoom Gold PowerSub

Cabinet width 17 1/4"  
 Cabinet height with feet 18 1/8"  
 Cabinet depth 15 3/4"  
 Shipping weight 76 lbs.



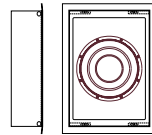
### InWall Bronze/4 PowerSub

Cabinet width 14 1/4"  
 Cabinet height 19"  
 Cabinet depth 3 15/16"  
 Shipping weight 24 lbs.



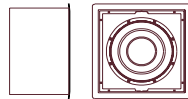
### InWall Bronze/6 PowerSub

Cabinet width 14 1/4"  
 Cabinet height 19"  
 Cabinet depth 5 15/16"  
 Shipping weight 24 lbs.



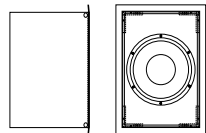
### InWall Bronze/10 PowerSub

Cabinet width 13 1/2"  
 Cabinet height 13 1/2"  
 Cabinet depth 9 1/2"  
 Shipping weight 20 lbs.

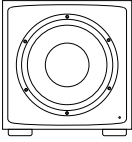


### InWall Silver/15 PowerSub

Cabinet width 14 1/4"  
 Cabinet height 19"  
 Cabinet depth 14 1/2"  
 Shipping weight 61 lbs.



## ***InRoom Platinum PowerSub Specifications***



### **InRoom Platinum PowerSub**

Cabinet width 20 3/8"

Cabinet height 20 3/8"

Cabinet depth 19 1/4"

Shipping weight 92 lbs.

THX & Non-THX versions available

Built-in 500 watt (into actual load) amplifier with  
3 Line level inputs (left, right & Mono/THX)

Separate Input Control

Adjustable 12dB/Octave low pass filter

Adjustable Phase Control: 0 to -180°

Frequency Response: 18 Hz to 180 Hz (+/-3dB)  
(1m ground plane measurement) at home  
theater levels

Single 18" cast basket, long-excursion, paper cone  
woofer with 3" voice coil

Can be used as an InCabinet/InWall subwoofer when  
mounted into false walls with the subwoofer firing  
through an "E" size frame and flat Acoustimesh™  
metal grill

Available in various paint, real wood veneers  
& custom finishes.

THX version includes: video shielding & THX logo.

# Triad Platinum PowerSub Amplifier:

## Features & Adjustments

### **Bass Extension (Hz)**

This control adjusts the Bass Extension Level. This determines how low (lowest frequency note) the speaker will play. For THX settings, set the level at the THX mark. If low frequency extension is desired or when using multiple subs, set level at 18 Hz.

### **Input Level**

This control adjusts the PowerSub's loudness. Use this adjustment to match the PowerSub's loudness to your front LCR's or satellites. For THX settings, set the level at the THX mark. When using multiple subs this level should be set closer to the MIN mark.

### **Low Pass Filter (Hz)**

This control set the highest frequency (note) that your PowerSub plays which adjusts (blends) the crossover point between the PowerSub and satellites. For THX settings, set the level at the THX mark.

### **Phase Control**

This adjusts the phase (timing) of the signal that is fed into the *Inputs*. Use this to fine tune the musical blend between the sub and satellites. Usually set at 0 or 180 degrees.

### **Mono/THX Input**

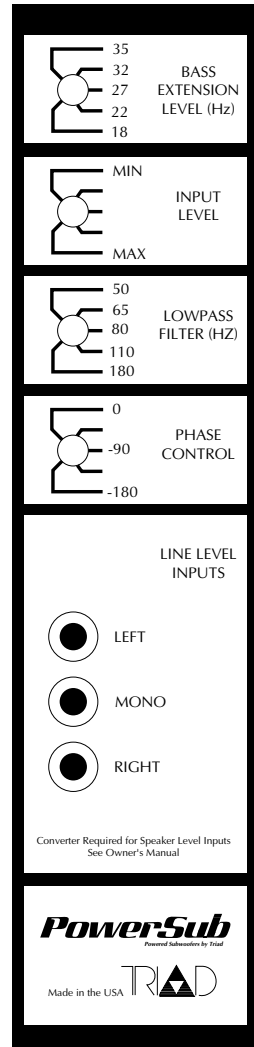
Connect to this RCA jack input when using the "sub out" from an THX Processor or THX Receiver.

### **Left & Right Inputs**

Connect to these RCA jack inputs when using pre-amp out from processors/pre-amps.

### **Left & Right Inputs - Using the PowerSub's Speaker to Line Level Converter**

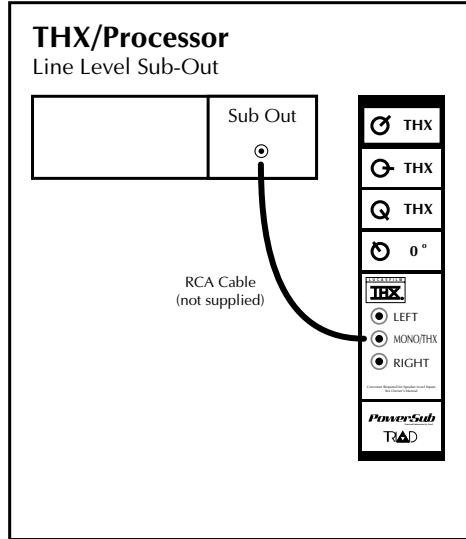
These convert speaker level at your receiver or power amp to the line level required for use in your PowerSub's line level inputs.



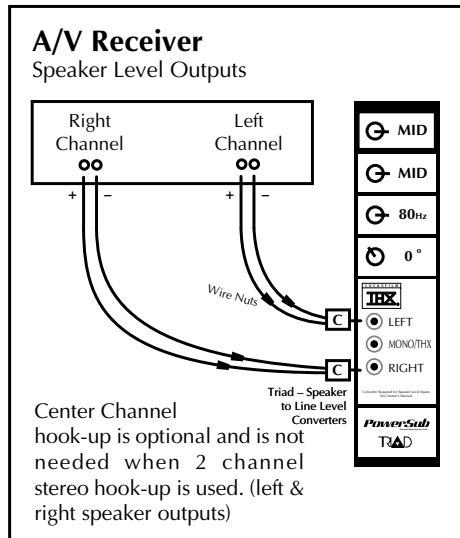
# InRoom Platinum PowerSub: Amplifier Wiring Diagram

## Multi Channel Surround/ 2 Channel Stereo:

**Line Level** – Preferred method if subwoofer output is available

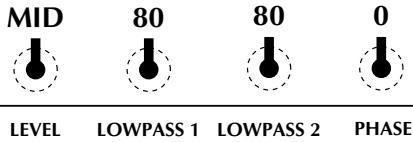


**Speaker Level** – Alternate method if no pre-out connection jacks are available



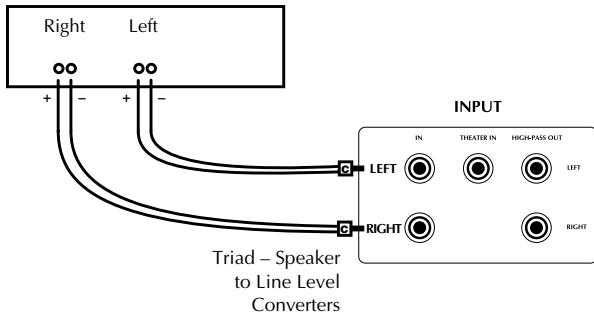
## Triad Rack Amplifier Wiring:

### Front Panel Adjustments



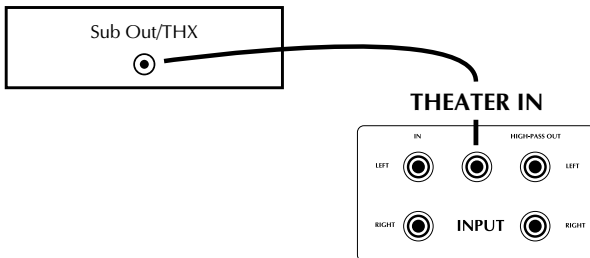
### A/V Receiver

#### Speaker Level Outputs



### THX/Processor

#### Line Level Sub-Out



## Warranty Information

For your convenience, we have included a handy place below for you to record your loudspeakers model and serial numbers, the purchase date, and your dealers name and telephone number.

If for some reason service becomes necessary, please keep this book and the sales slip together in a safe place for future reference. Triad products are warranted to be

### Subwoofers

Model: \_\_\_\_\_ Serial #'s \_\_\_\_\_

Model: \_\_\_\_\_ Serial #'s \_\_\_\_\_

Dealer Name: \_\_\_\_\_

Purchase Date: \_\_\_\_\_ Phone: \_\_\_\_\_

free from defects in materials and workmanship for the period stated below when operated under **normal** use.

**Amplifier:**      **Warranty three (3) years**  
**Loudspeaker:**      **Warranty ten (10) years**

**This limited warranty period begins on the date of purchase.** This limited warranty is extended only to Triad products and is expressly in lieu of all other warranties expressed or implied.

Should any defect in materials and workmanship occur within the limited warranty period, please contact Triad Service at 1-800-666-6316 to **obtain a Return Authorization (RA) number**. The product should be returned to us prepaid, together with proof and date of purchase and the RA number clearly visible on the outside of the box. At our option, we shall repair or replace the product and return it prepaid. If you do not have suitable packaging for the product, contact your dealer, or we can provide it for you, please contact Triad Service at 1-800-666-6316.

This limited warranty is extended only to the original purchaser and is not transferable. Warranty covers only products sold in the United States by authorized Triad Dealers. Transit damage is not covered by this limited warranty and if such damage should occur, we will assist you in filing a claim with the shipping company.

 **Triad Speakers** Incorporated

15835 NE Cameron Boulevard

Portland, Oregon 97230

503.256.2600

<http://www.TriadSpeakers.com>