

The Titan XL

Powered Subwoofer

Owner's Manual

Contents:

Guarantee/Warranty	...2
Specifications	...4
Setup	...4
Placement	...6
Hookup: HT	...7
Hookup: Stereo	...8
Placement Diagrams	...11
Other System Considerations	...13
Avoiding Damage	...14
Troubleshooting	...15
Warranty Registration	...16



Audio Concepts, Inc.

571 West Avenue N.

West Salem, WI 54669

Phone: (608) 786-4729 Fax: (608) 786-4710

Website: www.audioc.com Email: service@audioc.com

All Rights Reserved 2008

Sound that Satisfies...Since 1977

Audio Concepts, Inc. **Our Guarantee and Warranty**

Satisfaction Guaranteed:

We're sure you're going to love your new Audio Concepts, Inc. (ACI) products! In the unlikely event that you are not satisfied, please contact us within **30 days** of receipt of your ACI products for a hassle-free return.

Simply follow these procedures:

1. **Return Authorization:** Call us at (608) 786-4729 or email service@audioc.com, within 30 days of receipt of your ACI products for a return authorization number. Boldly mark the return authorization number on the outside of the box. Include a brief note stating your name, address and daytime telephone number, along with a short description why the products are being returned.
2. **Returning:** We request that you return the ACI products to us in their original packaging and include packaging materials, manuals, etc. Ship by UPS and insure the products for the invoice purchase price. The customer is responsible for return shipping. *Please note: ACI can not accept C.O.D. returns.*
3. **Credit:** Upon receipt and inspection, we will issue a refund for the invoice purchase price and invoiced UPS Ground service only. Please note this return policy is in effect only if the ACI products are in new condition, in their original packaging, without drilled holes, disassembled or any other modifications.

Speaker Manufacture's Warranty:

For **five years** from receipt, Audio Concepts, Inc. will, at its option, repair or replace factory defective components. (Subwoofer amplifiers are **three years**). This warranty excludes products that have been abused, modified, or disassembled in any way. This warranty does not apply to products, which have been damaged in shipping. Audio Concepts, Inc. liability is limited only to the replacement of defective parts. No other liabilities or obligations are expressed or implied.

The ACI Warranty is fully transferable from the original owner to a secondary owner provided that the original owner notifies ACI, by phone call or by filling out the on-line form:

www.audioc.com/order/warranty_transfer.htm

No warranty will be transferred absent this notification.

Simply follow these procedures:

1. **Return Authorization:** Call us at (608) 786-4729 or email service@audioc.com for a return authorization number. If the warranty repair is during the first year of ownership, additional instructions will be given to you at that time. Boldly mark the return authorization number on the outside of the box. Include a brief note with your name, address and a daytime telephone number, along with a short description why the products are being returned.
2. **Returning:** Carefully repack defective ACI merchandise in their original packaging. Ship via. UPS and insure the products for their full retail value. The customer is responsible for return shipping. Please note: ACI can not accept COD or Freight Collect returns.
3. **Replacement:** Audio Concepts, Inc. will inspect and determine the cause of failure and will pay return shipping on the defective goods replaced or repaired.

Please ship any returns to the following address:
Audio Concepts, Inc., 571 West Avenue N. West Salem, WI 54669 (608) 786-4729

IMPORTANT NOTICE

All new speakers require a minimum of 60 hours break-in-time before they begin to sound the way they are supposed to. A speaker's performance improves significantly once broken in. It is critical that you have at least 60 hours on your speakers before you evaluate them. Don't worry if your speakers do not sound perfect the first time you play them. This is normal until they are broken in. If you are having difficulty getting enough hours on your speakers and your 30 day return privilege is getting near, call us. We will work with you. Please give us the courtesy of breaking the speakers in before you determine they don't sound right.

Many of our customers break their speakers in by:

- A) Leaving them on at moderate listening levels when they are not home.
- B) Leaving them on at moderate listening levels while they sleep.
- C) Running pink noise through them.

These methods are not convenient for everyone and we understand this. But please know that you are not giving yourself, your speakers or us a fair chance if you do not break them in before critical evaluation.

THANK YOU!

The *Titan XL* Powered Subwoofer

Thank you for your order and congratulations on becoming the owner of an ACI speaker system. The Titan XL powered subwoofer(s) will provide you with many years of listening pleasure!

The Titan XL was designed to please music lovers who don't want to fashion their habitats around large, obtrusive boxes. Attractive and reasonably sized, the Titan XL takes up little space and there are many options for room placement including "hidden" placements. The attractive cabinets are excellent as a small end table or plant stand. Hookup to any music system is easy! The Titan XL is a fantastic addition to your video system as well. The Titan XL will allow you to "feel" the impact and power of *The Matrix*, *War of the Worlds*, *Lord of the Rings*, *Chronicles of Narnia*, etc. We know you will enjoy many years of satisfaction with your Titan XL(s)!

The Titan XL has plenty of power to move a lot of air. The downfiring driver reproduces all low organ pedals, symphonic bass drums, tympani, video special effects and synthesizers with stunning realism. Equally important, the Titan XL does a fine job with the subtle but musically critical qualities of difficult instruments such as piano and string bass.

The enclosure is constructed of ¾" non-resonant high-density fiberboard with extensive internal bracing. The standard finish is a classy black satin. Optional finishes include an inlaid cherry veneer or piano gloss black finish. The specially developed ACI 12" driver has extremely long excursion and a balanced cone-motor system supported by a heavy cast-frame that operates with very low distortion. A specially developed rubber surround precisely terminates the stiffened fiber cone.

Many subwoofers add unacceptable colorations and actually degrade the performance of otherwise fine speakers. The Titan XL is adaptable for use with virtually any satellite, electrostatic or ribbon speaker. If you are satisfied with your present speakers but just want more bass power and extension, the Titan XL(s) may be the perfect answer. If you own speakers from manufacturers such as B&W, KEF, Apogee, Quad, Thiel, Magnaplaner, Martin Logan, Wilson, etc., you'll find your listening pleasure greatly enhanced with the Titan XL subwoofers.

Specifications

Frequency Response: 20-250Hz, ±3db, system Q <.6

Crossover: Dual adjustable Low-Pass: 35-250 12db/octave filters for 24db/octave total

High Pass Outputs: Second order, 12db/octave, filters set at 100Hz for left & right output. Line-level, RCA outputs

Sensitivity: Adjustable

Dimensions: 20" tall, 18 3/4" wide and 18 3/4" deep (allow 2" additional depth for rear mounted amp)

Weight: 82 lbs

Special Circuitry: Protection Circuitry, Woofer Behavior Control, Theater-Direct Input

Woofer: (downward firing) Proprietary 12", ultra long throw woofer

Rec. RMS Power: Built in amp delivers 250 watts RMS < .5% THD distortion

Titan XL Subwoofer Setup

Integrating a sub is a process that requires following ordered steps. You'll find it easy in some rooms/systems, and very time consuming in others. The key is to eliminate each variable one at a time. It really helps to have a test CD with sinewave or warble tones. That's why we include just such a disc, free with purchase of our subs. Use of the setup CD is optional. Please refer to the attached directions for the test CD.

The electronics of the *Titan XL* performs the following functions:

Input Level: This controls the volume of the Titan XL when using the Right and or Left inputs. The volume needs to be set at the same volume as your main speakers to get a seamless blend. When using the Theater input, the volume on the subwoofer is bypassed and will be controlled by your processor/receiver.

Lowpass Filters A & B: Each filter has a 12db/oct roll off and is used to set the upper cutoff point of the subwoofer. Normally, you will set both filters at the same frequency for a 24db/oct roll off. In some systems it may be advantageous to be able to independently adjust these filters for the optimum blend.

Phase Control: The phase is variable from 0-180 degrees. Correct phase is dependent on positioning of the sub relative to the main and the listening position. The correct phase setting will yield the greatest level of bass.

Left & Right Line Level Inputs: Use either or both of these inputs. You will need to set the Input Level and Lowpass Filters A & B.

Theater Input: Connect to this input from your sub output on your receiver, preamp or processor. Set Lowpass Filters A & B to 250Hz. Input Level is bypassed and volume is controlled from your system's subwoofer volume control.

Left & Right High-Pass Outputs: Works with the line level inputs, they cut the frequency of your main speakers off at 100Hz with a 12db roll off. Rarely used we suggest using the optional passive high-pass filters instead.

LED Light: It is red for a few seconds as the amp warms up. The light will turn green when the amp is ready, even if there is no signal going to the amp.

On/Off Switch: Used to turn the amp on and off. Normally the amp is left on all the time. When not playing, it draws about the same about of power as a nightlight.

Power Cord: The cord is non-detachable and can be plugged into any standard two-prong outlet.

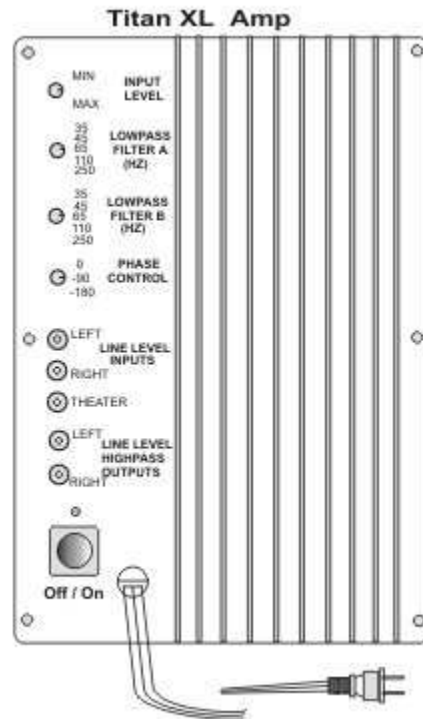
Miscellaneous:

- A limiter and current sensing feedback circuitry protect the driver from being overdriven and reduce distortion.
- The discreet outputs of the amplifier deliver over 250 watts RMS to the woofer with extremely low distortion.
- A temperature switch monitors the output devices. In the event of excess heat the switch will shut down the circuitry to prevent damage. Once the heat sinks cool the power will be restored. Because the electronics have been designed and "tuned" to the woofer and cabinet, the Titan XL offers incredible performance in relatively small cabinet.

Speakers Level Adapter



Two of these are supplied with each Titan XL subwoofer. The Speaker Level Adapter converts an amplified, (speaker level), signal to the line level signal required by the subwoofer. Not required for line level hookup. The adapters may be installed directly in parallel with your main speakers.



Y-Adapter



Is used to split a line level output into dual outputs. Use with shielded RCA interconnects. For example; use Y-Adapters at pre-amp outputs to get dual outputs. One set of outputs goes to the subwoofer(s), one set of outputs goes to the main amplifier inputs.

RCA Female-Female Adapter



Used to join two shielded RCA interconnects. May also be used to join the ACI Speaker Level Adapter to any RCA shielded interconnect.

Step One: Initial Placement

Determine initial placement of the sub. This is often a matter of "where it will fit" in the room. You will also need to plug the Titan XL into a 120-volt wall receptacle. The Titan XL is supplied with a power cord. If this is not long enough, you may use an extension cord of at least 16 gauge. Three of the best places to put your Titan XL:

1. Place the sub in one of the corners behind the main speakers. A corner placement behind the main speakers usually yields the deepest, cleanest bass. As long as the subwoofer is correctly adjusted it will not be boomy or overbearing. The sub doesn't have to be placed "tightly" in the corner, just as near as possible.
2. Place the sub near the wall, behind the main speakers. Approximately 1/3 of the width of the room is often ideal.
3. Place the sub along one of the sidewalls. Approximately 1/3 of the length of the room is often ideal.

If you have the flexibility to try different placements, we'd encourage you to do so. Every room is different. Experimentation is the best way to find the best placement. One trick is to place your subwoofer in your normal listening position. Listen or take measurements from your subwoofer placement options to find the ideal position. For example, if your two options are the left front corner and somewhere along the right sidewall, you'll listen and or take measurements at these two positions.

(See also placement diagrams later in the manual.)

Step Two: Hookup and Adjustment

The Titan XL subwoofer may be integrated into virtually any quality audio or audio-video system. First you must determine your hookup scheme. Select from the choices below and then make adjustments.

There are essentially two types of hookup and adjustment:

1. **Home Theater (5.1 - 7.1 systems)** Systems with a subwoofer output on your receiver or processor
OR
2. **Stereo (two-channel)** Systems without subwoofer output

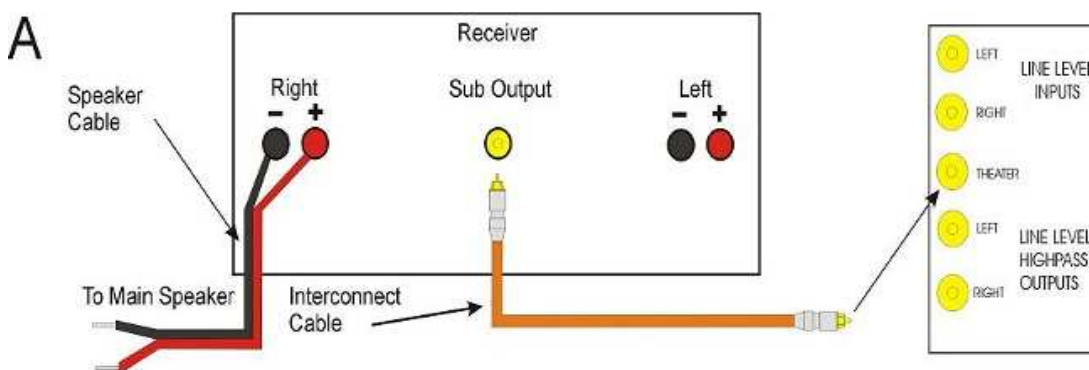
The following diagrams and descriptions illustrate various hookup options. **Please note, for the sake of clarity only one channel is show.*

Home Theater - Hookup

This approach requires a shielded RCA cable from the subwoofer output on your receiver or processor to one of the inputs on your Titan XL.

- Choose either the Left or Right input for the highest sound quality and the greatest bass extension.
- With the Left or Right input you can adjust volume at the sub and at your receiver or processor.
- Choose the Theater input only in the unlikely situation that you are able to drive your Titan XL into shutdown mode. This can occasionally occur with certain content played at high levels for extended periods of time, or if the Titan XL is placed such that the rear mounted amplifier is not able to cool adequately. The Theater input adds additional filtering that rolls off the low end response of the sub to allow higher sound pressure levels.
- The Theater input bypasses the subwoofer volume control so level will be controlled at your receiver or processor.

If you wish to use multiple subs simply split the signal with a Y-adapter and run separate interconnects to each sub. Check your receiver or processor documentation for instructions in how to turn on the subwoofer output as well as how to adjust the level.



Home Theater - Adjustments

Adjusting the Titan XL for Home Theater

1. **Set the crossover frequency** dials A & B initially to 250Hz. For best sound quality, experiment with adjusting these controls to the crossover frequency of your receiver or processor, usually 80 or 100Hz.
2. **Adjust phase** to give the highest output level. (Please refer to the test CD procedures for this)
3. **Input level** is bypassed when using the theater input and your processor controls the volume. If using the Left or Right input you can adjust volume at the sub and at your receiver or processor.

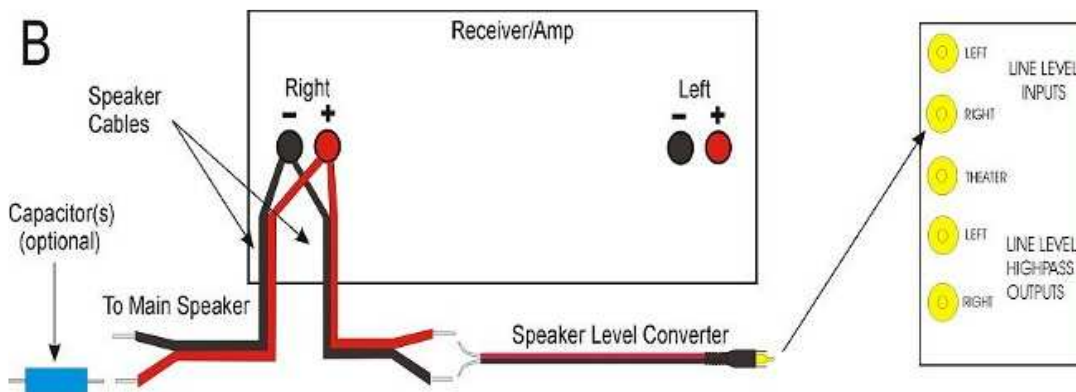
Stereo (Two-Channel) - Hookup

First you must determine your hookup scheme. Your choice of hookup will be determined by the capabilities of the rest of your system. The Titan XL has RCA, line-level inputs and Speaker Level Converters are also provided for speaker level connection. (Additional hookup options may be found on our website at www.audioc.com.) Select from the following and then make adjustments:

A) Systems that do *NOT* have preamp outputs:

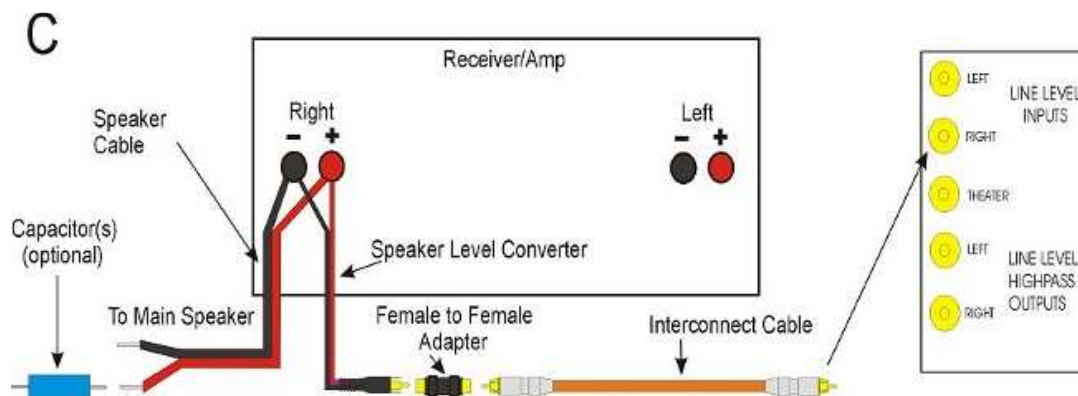
1. Hookup with Speaker Cable using Speaker Level Converters

This is sometimes referred to as "bass augmentation". The main speakers are run full-range and the subwoofer is used to augment or fill in just the lower bass. Connect a second set of speaker cables in parallel with your existing speaker cables. This set of cables is run to our speaker level converters, which plug into the subwoofer left and right inputs. (If using stereo subs you will run one cable to each sub). Set filters A & B, the input level, and phase controls to get a seamless blend with your main speakers. As an option, you can add a capacitor(s) in series with your main speakers. The capacitor will block some of the lows that might otherwise overdrive your main speakers. This is a very imprecise method and generally only used with small speakers with limited low frequency power handling. We recommend trying approximately 200mfd of capacitance. Polypropylene capacitors are suitable though expensive. Alternately, non-polarized electrolytic (NPE) capacitor(s) with a minimum 100 volt rating may be used.



2. Hookup with Shielded Interconnect using Speaker Level Converters

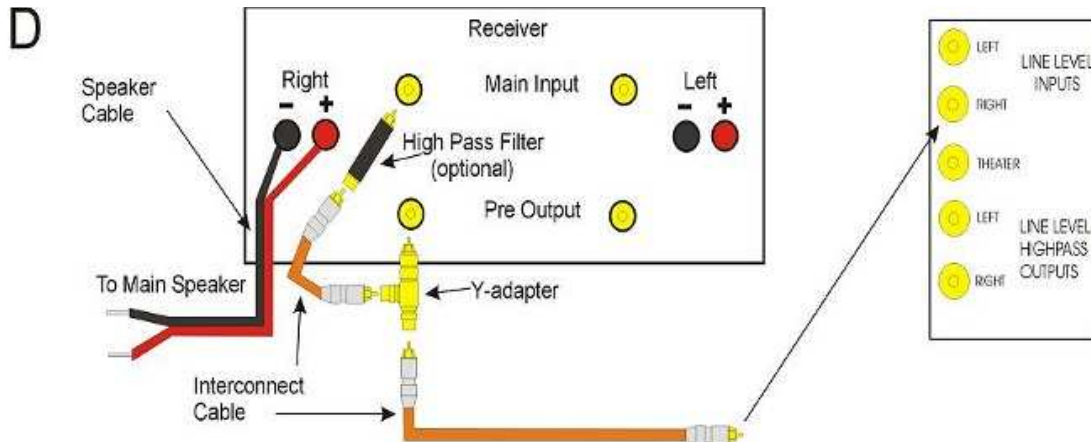
Connect speaker level converters in parallel with your main speakers. Connect a female to female RCA adapter to the speaker level converter and use shielded RCA interconnect cables to connect to the subwoofer. (If using stereo subs you will run one interconnect to each sub). (DH Labs Subsonic Cable is perfect for this application) Same capacitor option as #1



B) Systems that DO have preamp outputs:

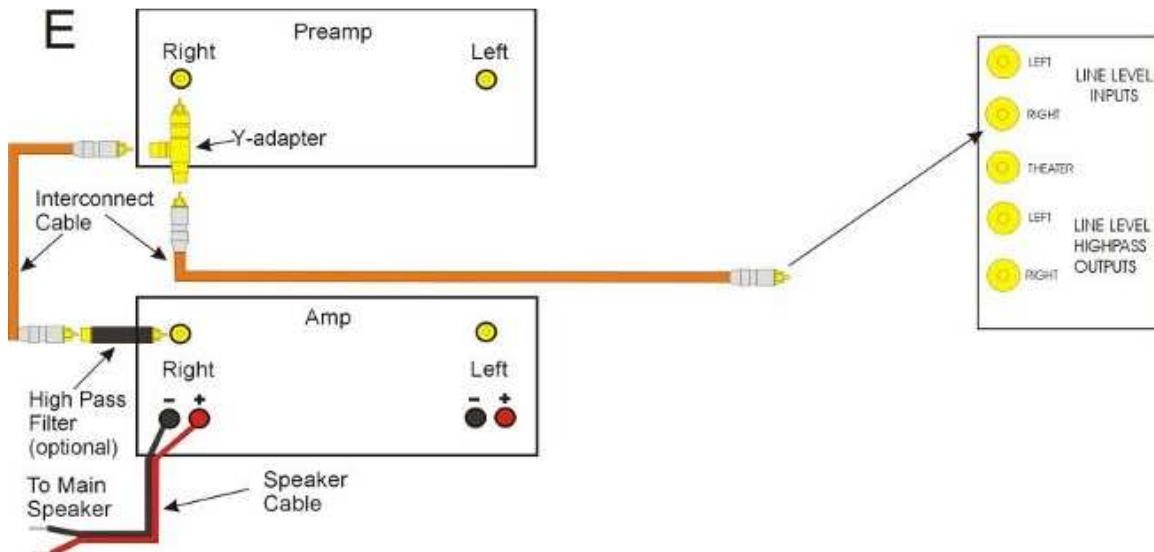
1. Processor with Preamp outputs & Main amp inputs

Use Y-Adapters to split the signals from the left and right preamp outputs. Connect one end of each Y-Adapter to left or right main amp input, (using a short RCA interconnect). Use proper lengths of shielded interconnects to connect the other ends of the Y-Adapters to the right & left inputs on the sub. (If using stereo subs you will run one interconnect to each sub). Your main speakers will receive a full range signal. To reduce low frequency content to your main amp and speakers, use optional High Pass Filters plugged into the main amp inputs.



2. Separate Preamp & Amp

Shown with Y-Adapters. If your preamp has two sets of outputs you will not need the Y-Adapters. Use proper lengths of shielded interconnects to connect one set of outputs to your main amplifier and one set of outputs to your sub left and right inputs. (If using stereo subs you will run one interconnect to each sub). Your main speakers will receive a full range signal. To reduce low frequency content to your main amp and speakers, use optional High Pass Filters plugged into the main amp inputs.



Stereo (Two-Channel) - Adjustment

Adjusting the Titan XL for Stereo:

1. **Set Initial Adjustments:** Crossover frequency dials: 80Hz, Phase: 0, Input Level: ½ way
2. **Set Phase:** Adjust volume level so sub is audible with an 80Hz test tone from the included test CD. Adjust phase for maximum output at the listening position. This is most easily accomplished with an extra person to work the switch / control. If using an SPL meter such as the Radio Shack, it might be easier to track the change with the 80Hz Warble tone rather than the 80Hz Sinewave.
3. **Set Input Level:** Start with input level all the way down and set both crossover frequency filters to 35Hz. As you play music with a repetitious bass line, adjust the input level upward until it is just consistently audible. The low bass should fill in naturally. You are looking for bass that goes deeper, not necessarily louder.
4. **Set Crossover Frequency:** With the frequency filters at 35Hz, gradually adjust upward until the bass seems full, without any missing notes, and then back off just a bit. At first, move both filters up an equal amount. Adjust up or down until the subwoofer best matches the cutoff of your main speakers. It may help to adjust crossover B higher in frequency than crossover A. The most natural results will be with the lowest crossover point that doesn't leave a "gap" in the response. Lower crossovers will allow the subwoofer to audibly "disappear" and placement is less critical.
5. **Fine-tune:** Sit back and listen with a variety of music. Make any changes one at a time to fully assess the effect. Take your time!

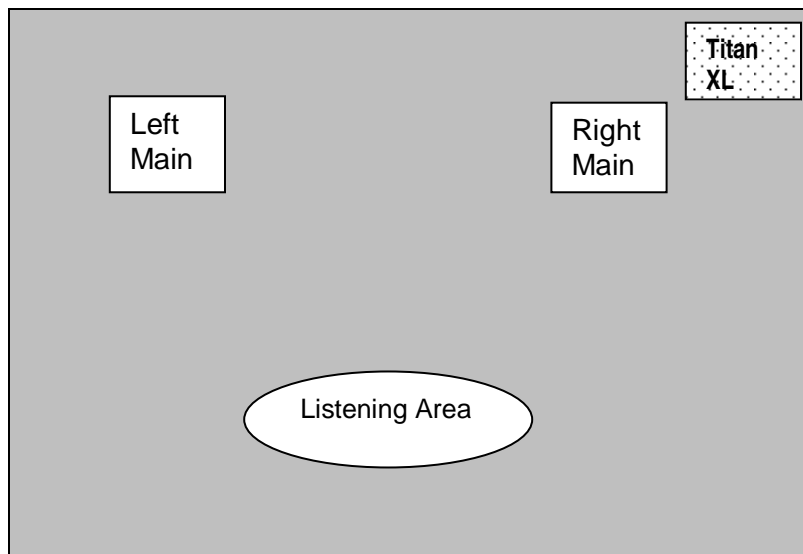
Troubleshooting Setup and additional considerations

- **If** you try to use the sub to adjust for recordings that lack bass you'll go nuts, adjust the sub to well recorded music and leave it alone. You'll never get it perfect for all music because the music isn't recorded consistently!
- **If** the music seems to lack warmth, try adjusting the frequency control up just a bit at a time. Too much, and the sub becomes easily audible by itself.
- **If** your main speakers have ports (vents) try stuffing them; this sometimes improves the transition drastically. The ports can easily be stuffed with cloth. *Just stuff it so that you no longer get air pressure coming from the vent when the speaker is playing.* Stuffing the port changes the response from fourth order to second order and yields a more gradual rolloff in the main speakers. It can make all the difference in the world!
- **If** you have a problem with hum there are generally three possible causes:
 1. **Ground loops or power issues** are the most common cause of subwoofer hum. Turn everything off and remove all connections from the Titan XL to the rest of the system. Turn the Titan XL back on. If the hum is gone, the problem was probably caused by a ground loop. In this case, you will need to either use a "cheater" plug on the Titan XL power cord, or use a GLE (Ground Loop Eliminator), available from Radio Shack. If the hum is still there, plug the Titan XL into an outlet on a different house circuit. If the hum is gone, it might be a matter of the subwoofer picking up interference from something in the house electrical system such as fan speed control or light dimmer. Use a different outlet. If the hum remains, continue to step #2.
 2. **Poor connections or RCA interconnects** can cause hum. If you move the shielded cable that connects the Titan XL to your system and you hear a change in the hum it is likely you have poor shielding or a defective RCA plug. Replace the cable.
 3. **Amplifier damage** is the least likely cause of hum. However, if you have ruled out ground loops, power issues, or a defective connecting cable, it is possible that there is a problem with the amplifier. Contact ACI service for assistance.

Placement Diagrams

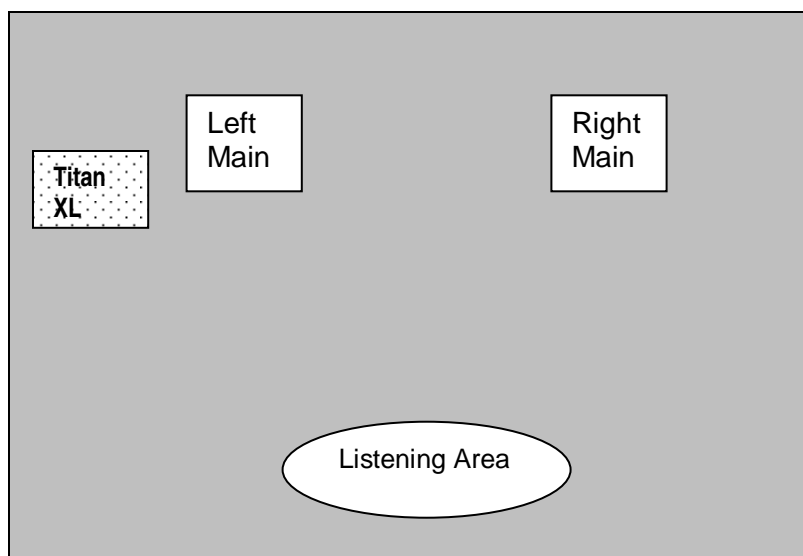
Placement A is probably the best solution in most systems. The corner placement provides the highest output level with the lowest distortion from the subwoofer.

Top View of Room **Placement A**



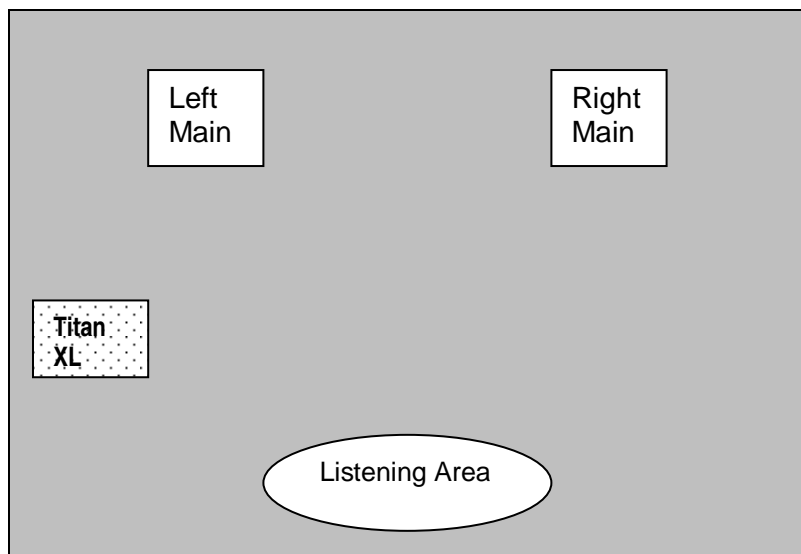
Placement B can work very well. Moving the Titan XL slightly forward of the main speaker may give the smoothest response. Moving the Titan XL back into the corner will produce the greatest amount of bass.

Top View of Room **Placement B**



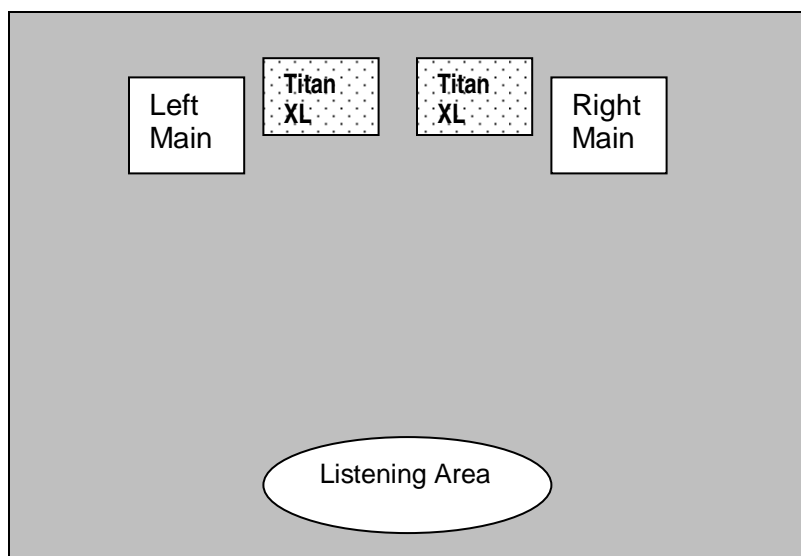
Placement C can sound very good but it will probably require a fairly low crossover. It is also possible to place the Titan XL *behind* the listening position, (not shown). If the Titan XL is far enough behind the listening position and the crossover is low enough you will get very good results.

Top View of Room **Placement C**



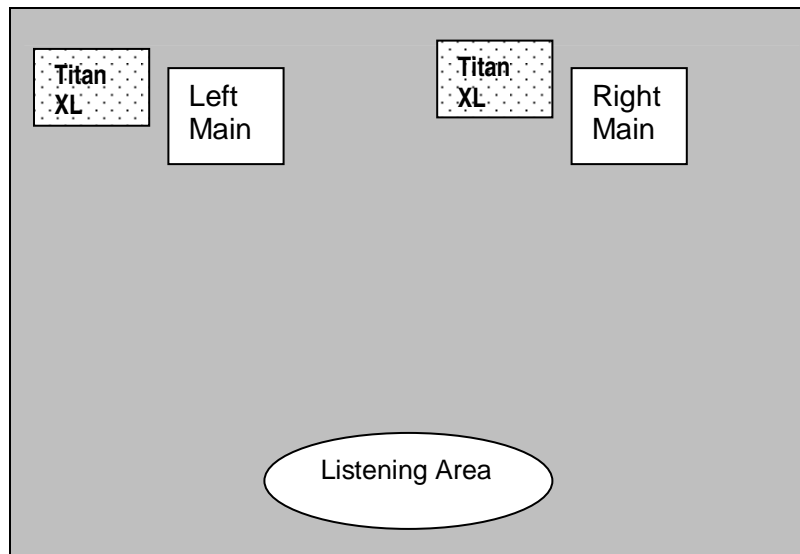
Placement D, Stereo. We can use the distance between the Titan XLs for fine-tuning. Having two Titan XLs right next to each other will yield the highest output level, but spacing them unequal distances from the side walls will give the smoothest room response. The characteristics of your room and your listening tastes will determine which is best for you.

Top View of Room **Placement D (Stereo)**



Placement E, *Stereo* has the potential for the most accurate bass possible. By varying the distances of the two Titan XLs to the corners, sides and front wall you can achieve a very smooth in-room response.

Top View of Room **Placement E** (Stereo)



Remember, it is what sounds best to you that counts. Position the speakers to give you the sound *you* want in your room.

Other System Considerations

If the rest of your system does not work properly or is not correctly connected you will not get the best performance from your system.

To eliminate problems we recommend the following:

- Use the finest associated components you can afford. Turntable, cartridges, pre-amps, amplifiers, (receivers) and cables all have profound impact on the sound of your system. Accurate speakers let more detail through. You will hear more of the beauty of the music, but flaws in your system and/or source material may be more obvious. Any good audio system is made up of matched components. You wouldn't use bargain recap tires on a new Ferrari, and you shouldn't use inferior components with a high quality speaker. Your ACI Titan XL(s) performs like subwoofers costing far more. Keep this in mind when selecting the rest of your system.
- Know your source material. People often blame their audio gear for poor recordings. A great number of popular recordings are of inferior sound quality. Unfortunately this applies to records, tapes, DVDs and CDs. There are more good quality recordings available now than just a few years ago, but poor recordings with rolled off low bass, harsh and constricted mids and highs and little stereo monitor speakers that are grossly inaccurate. Consider that some producers still mix recordings to sound best on cheap table and car radios! This doesn't mean you can't enjoy these recordings, but you should try a few of the best audiophile recordings just to see how terrific your system can be when fed a good signal.

Should you have more than one *Titan XL*?

A single Titan XL provides a major and cost-effective improvement for most people in most rooms with most music. However, there are a number of reasons to consider more than one Titan XL.

-Stereo subwoofers: This is more important if the main speakers used need a rather high crossover frequency. Some very careful listeners may want stereo subwoofers with a crossover as low as 85Hz while many others might be more than happy with a single subwoofer crossed over above 120Hz. *Many of the popular 3 piece satellite subwoofer systems in the \$500-\$1000 range have crossovers above 160Hz! Some listeners can hear the problems immediately while many people never notice the problem.*

-Increase output levels and lower distortion: Some people with large rooms and/or a need for higher than average output levels will want to use more than one Titan XL. For large spaces and/or very high volume requirements any number of Titan XLs can be added to a system. *The Titan XL adds bass power and extension, it takes nothing away from the main system.*

-Get smoother in-room response than with a single subwoofer: In some situations, loading the bass into the room from two or more points can give a better balanced bass throughout the room.

-A third Titan XL may be used for the rear surround channels: The Dolbytm standard calls for a bass roll-off in the rear channels...but Dolby Digital recordings have full-range bass content in the rear channels. Some film lovers feel that having a subwoofer for the rear channel improves impact and realism with such films.

Avoiding Damage

Audio Concepts, Inc. speaker systems are designed for the purpose of accurate reproduction of music in the home. We do our best to make our speakers rugged and reliable. We invested effort in the Titan XL to make it as indestructible as possible. We're happy to say that after producing and selling the Titan Series for years we've yet to have one blown driver returned! Of course there's always Murphy's law! Under certain abusive conditions it may be possible to overdrive the Titan XL. This is possible with your receiver or pre-amp volume control way up with excessively high distorted signal levels.

MORE IMPORTANTLY, as reliable as the Titan XL has been designed, you still need to be careful not to over-drive and damage your main speakers. So please read over the following causes of speaker failure. Remember, just because you added the power and bass response of the Titan XL, your main speakers won't handle any more power than before.

You can protect your system by following a couple of very simple guidelines:

- A) If it sounds at all distorted, turn it down. Distortion is a warning sign that should not be ignored.
- B) Don't use tone controls or equalizers if possible. IF you must use them, monitor the system carefully.
- C) Beware the party damage epidemic. Speakers are more often damaged during parties. All those bodies soak up sound, requiring more output to sound as loud, bass and treble controls are sometimes cranked up and nobody is listening for distortion.

In over twenty-nine years of daily evaluation of all types of speakers on everything from ten to one thousand watts with all kinds of music, we have never damaged a driver without hearing audible distortion. If it sounds bad, turn it down, and you will never damage a speaker.

Speaker Break-in ****Important!!!

Allow at least 60 to 70 hours of playing time before your new ACI Titan XL(s) will sound the best. The adhesives and materials used in manufacturing must stretch and flex properly before a speaker will sound its best. After break-in the bass will be tighter and go lower.

For quicker break-in:

-Play the Titan XL(s) at medium-high volume while away from home. Use music with a lot of low bass content. A CD player on repeat works fine.

Troubleshooting

Occasionally we get a call from someone who feels there is a problem with their ACI speaker. At least a couple of times a year we will get a call or letter that goes something like this: "Speaker not working properly, can't get enough sound even with the volume turned way up." The problem may be different, but with this little information to go on it is almost impossible to trouble shoot the problem "long distance".

The following checklist may help:

- 1) Are all system hookups properly connected, no partial shorted wires, or reversed connections, etc?
- 2) Did you try the rest of your system with other speakers to determine if the problem exists with the speakers?
- 3) Please be realistic in your expectations. Our speakers offer excellent value, but we can't beat the laws of physics. For instance, a medium sized speaker such as the Sapphire XL sounds excellent but will not play as loudly as a very large speaker.

IF for any reason you aren't satisfied with the sound you're getting from your speakers we want to know about it. **Make sure the speakers have had adequate break-in time.** Before you call or write, please try to narrow down the problem and eliminate other factors. We will need to know:

- ◇ The size of your room
- ◇ Where you have the speakers placed
- ◇ What other equipment is in your system
- ◇ Have you tried other speakers (which ones, and did they eliminate the problem)
- ◇ Any other specific symptoms or information you can provide

Our Customers are #1 with us, and we want you to be completely happy with your ACI speakers!

The Company

Audio Concepts, Inc. (ACI), has been satisfying discerning music lovers since 1977. Our goal has and always will be to provide exceptional product and service to music enthusiasts around the world. Audio Concepts speakers are an expression of dedication to our customers and their desire for accurate musical reproduction. We believe you must audition speakers in your own home and in your own system. Please see the warranty statement for details.

After listening, please fill out and return the warranty registration. This warranty registration is important. It allows us to reach you in the event of future upgrades. The comments you make on the warranty help us to continually improve our products and customer service. Thank You!

Specifications and design are subject to change without notice due to our continuous research and development program.

Audio Concepts, Inc.
 571 West Avenue N.
 West Salem, WI 54669
 Phone: (608) 786-4729 Fax: (608) 786-4710
 E-mail: service@audioc.com URL: <http://www.audioc.com>

All rights reserved
Audio Concepts, Inc. 2008 rev. 3/08

Warranty Registration, Please Return

ACI div. Audio Concepts, Inc.
571 West Avenue N. West Salem, WI 54669
service@audioc.com (608) 786-4729

Congratulations on becoming an ACI speaker owner. Completing this registration enables us to contact you regarding future upgrades. Your information helps us provide the best possible products and service. If you need additional room please continue on the back. You may also register your product electronically at our web site. <http://www.audioc.com>

Name: _____

Address: _____

Main reasons you purchased from ACI: _____

Where did you first hear about ACI: _____

System(s) purchased: _____

Date received: _____ Invoice Number: _____

Condition received in: _____

Comments or suggestions regarding our staff or service: _____

Other audio equipment used: _____

Do you have a home-theater system? _____

Do you plan to purchase other speakers within the next two years? _____ If so, what types of speakers are you interested in purchasing, (Tower speakers, satellite speakers, subwoofers, wall speakers, outdoor speakers, home-theater speakers, etc.)

All speakers require at least 60-80 hours of playing time to sound their best. After your speakers have had time to break-in and you've done some serious listening please tell us:

Features you like most about your ACI speakers: _____

Areas of performance or appearance you'd like to change: _____

Other comments or suggestions: _____

Will you recommend us to others? _____ (Over 1/2 of our customers were recommended to us by testimonials on computer data bases or referrals from someone they know. We put the money we save on advertising into the highest quality products at the lowest possible cost to you.)

We would appreciate being able to use your comments in future advertising. Please sign here to allow us that privilege.

Name: _____ Date: _____

Thank you for taking the time to complete and return this registration!