



McIntosh Laboratory, Inc. 2 Chambers Street Binghamton, New York 13903-2699 Phone: 607-723-3512 [www.mcintoshlabs.com](http://www.mcintoshlabs.com)

XCS200  
Loudspeaker System  
Owner's Manual



**WARNING - TO REDUCE RISK OF FIRE OR ELECTRICAL SHOCK, DO NOT EXPOSE THIS EQUIPMENT TO RAIN OR MOISTURE.**

**NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL.**

To prevent the risk of electric shock, do not remove cover or back.  
No user-serviceable parts inside.

## IMPORTANT SAFETY INSTRUCTIONS!

**PLEASE READ THEM BEFORE OPERATING THIS EQUIPMENT.**

1. Read these instructions.
2. Keep these instructions.
3. Heed all warnings.
4. Follow all instructions.
5. Do not use this apparatus near water.
6. Clean only with a non-abrasive dry soft cloth.
7. Install in accordance with the manufacturer's instructions.
8. **This Loudspeaker is capable of producing extremely high sound pressure levels, even when connected to amplifiers of moderate power output. User caution is advised. Ear protection is recommended when playing at high volumes as continued exposure to high sound pressure levels can cause permanent hearing impairment or loss. The use of a Sound Level Pressure Meter will greatly aid in determining when high volume levels are occurring.**
9. Do not install near any heat sources such as radiators, heat registers, stoves, or other

apparatus (including amplifiers) that produce heat.

10. Only use attachments/accessories specified by the manufacturer.
11. Use only with the cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
12. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.
13. Do not expose this equipment to dripping or splashing and ensure that no objects filled with liquids, such as vases, are placed on the equipment.



14. **WARNING: When this Loudspeaker is connected to an amplifier that is Powered On, the connection terminals may have hazardous live voltages present with a risk of electric shock.**

## Thank You

Your decision to own this McIntosh XCS200 Loudspeaker System ranks you at the very top among discriminating music listeners. You now have “The Best.” The McIntosh dedication to “Quality,” is assurance that you will receive many years of listening enjoyment from this unit.

Please take a short time to read the information in this manual. We want you to be as familiar as possible with all the features and functions of your new McIntosh.

## Please Take A Moment

The serial number, purchase date and McIntosh Dealer name are important to you for possible insurance claim or future service. The spaces below have been provided for you to record that information:

Serial Number: \_\_\_\_\_

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

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

## Technical Assistance

If at any time you have questions about your McIntosh product, contact your McIntosh Dealer who is familiar with your McIntosh equipment and any other brands that may be part of your system. If you or your Dealer wish additional help concerning a suspected problem, you can receive technical assistance for all McIntosh products at:

McIntosh Laboratory, Inc.  
2 Chambers Street  
Binghamton, New York 13903  
Phone: 607-723-1545  
Fax: 607-724-0549

## Customer Service



If it is determined that your McIntosh product is in need of repair, you can return it to your Dealer. You can also return it to the McIntosh Laboratory Service Department. For assistance on factory repair return procedure, contact the McIntosh Service Department at:

McIntosh Laboratory, Inc.  
2 Chambers Street  
Binghamton, New York 13903  
Phone: 607-723-3515  
Fax: 607-723-1917

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## General Information

1. For additional connection information, refer to the owner’s manual(s) for any component(s) connected to the XCS200 Loudspeaker.
2. The XCS200’s built-in speaker protection incorporates three automatic resetting solid-state devices in the crossover networks. One protects the tweeters, one for the midranges and one for the woofers. The protection allows a certain amount of over-drive but extended periods will trigger protection. If an obvious lack of high, mid or low frequencies is noticed, the Protection Device may have activated. These devices will automatically reset when the volume level is reduced significantly and kept low until the output of the affected Loudspeaker Element returns to normal.
3. When the XCS200 Loudspeaker System is driven by more than one amplifier, the output levels of the different amplifiers connected to the Loudspeaker System must be adjusted to achieve a proper balance between the low, midrange and high frequencies reproduced. This adjustment is best achieved through the use of audio test equipment operated by a qualified installer.
4. When discarding the unit, comply with local rules or regulations. Batteries should never be thrown away or incinerated but disposed of in accordance with the local regulations concerning battery disposal. 
5. For additional information on the XCS200 and other McIntosh Products please visit the McIntosh Web Site at [www.mcintoshlabs.com](http://www.mcintoshlabs.com). 

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## Introduction

McIntosh Acoustic Engineers have achieved in the design of the XCS200 Loudspeaker System a level of high performance. The XCS200 provides superior spaciousness sound reproduction with unusual sound stage depth in a full range system. It uses a new acoustic design technology known as Progressive Inductance Control™ (PIC). PIC™ permits the use of multiple Midrange and Tweeter Loudspeaker Drivers to increase the Dynamic Range of the Loudspeaker System, without the otherwise negative Acoustic Combing Effects present in such a quasi point source Loudspeaker design.

The XCS200 utilizes multiple three-quarter inch Titanium Dome Tweeters and two inch Titanium Inverted Dome Midrange Drivers. Refer to figures 1 and 2. Since the audio power is distributed among all the drivers, each driver does not have to work as hard, resulting in greater

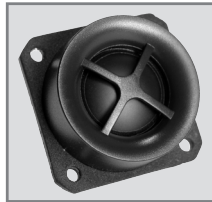


Figure 1



Figure 2

power handling capability, dramatic reduction in distortion and greater dynamic range.

The Low Frequency Section of the System consists of two newly designed eight inch Woofers. They have a large magnet assembly and long cone excursions with very low levels of harmonic distortion and frequency response down to 80Hz. Refer to figure 3.

The Woofers incorporate McIntosh's Patented LD/HP<sup>1</sup> Magnetic Circuit Design. Finite Element Analysis and testing resulted in a design concept

<sup>1</sup>LD/HP Pat. No 5,151,943



Figure 3

which utilizes a pair of aluminum shorting sleeves in the magnetic circuit. Refer to figure 4. The sleeves greatly reduce the negative influence of the fluctuating voice coil field on the permanent magnet field. This results in lower distortion due to more linear magnetic flux in the voice coil gap. Refer to figure 5. Additional benefits are less volume compression due to improved heat transfer through the sleeves and a cooler operating voice coil. Both measurements, as well as critical listening, reveal ten times less distortion than previ-



Figure 4

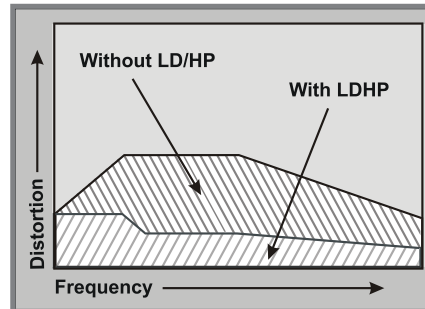


Figure 5

ous designs. A good example of this low distortion is incredible smoothness and clarity in the reproduction of the human voice.

The Crossover Network used in the XCS200 Loudspeaker System is designed to ensure an even frequency response over the entire audible range. The Second and Third Order Designed Network utilizes Capacitors and Inductors with high current capacity. Refer to figure 6. There are two different types of low loss (DCR) Inductors in the network, each one chosen not to exhibit any core saturation even at high power

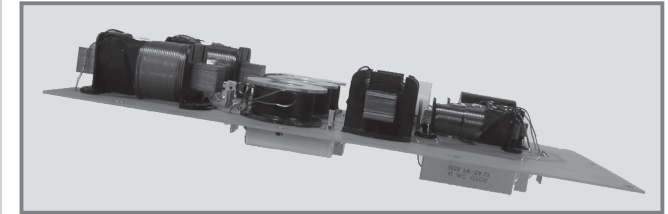


Figure 6

levels. This prevents the addition of distortion to the music at any frequency. The Capacitors used are the low loss (ESR) types. The Network also utilizes self resetting high current PTC Fuses to provide an extra measure of protection.

The enclosure is an important part of the XCS200 Loudspeaker System. The Loudspeaker System utilizes a trapezoidal shaped, rigid extruded aluminum enclosure that houses the Loudspeaker Drivers. Refer to figure 7. The Column's small footprint allows for a variety of different placements in a room.

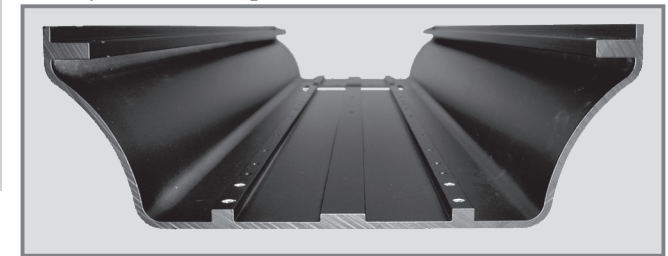


Figure 7

## Performance Features

### • Patented LD/HP® Technology

The McIntosh Low Frequency Loudspeaker Elements feature the patented LD/HP Magnetic Circuit Design. This design, when compared to conventional Loudspeaker Elements, reduces distortion significantly. It also increases power handling and efficiency.

### • Neodymium-Iron-Boron Alloy Magnets

The 8 two inch Midranges and 5 three-quarter inch Dome Tweeters all use this Alloy. The Neodymium-Iron-Boron Alloy has the highest flux density per unit of volume. This allows for a smaller physical size driver and thus closer driver to driver placement for improved dispersion.

### • Low Harmonic and Intermodulation Distortion

The XCS200 Loudspeaker System is capable of reproducing the full dynamic range of a symphony orchestra with very low audible distortion of any kind.

### • High Power Handling

The Loudspeaker Elements and Crossover Components of the XCS200 are all chosen for use with amplifiers up to 600 watts.

### • Superior Imaging

Locating the Tweeters between the two rows of Midranges generates a symmetrical horizontal polar response for superior imaging.

### • Versatile Operation and Placement

The XCS200 Loudspeaker System is designed for use in a multichannel system including the Front Channels (Left, Center and Right) or Surround Channels (Side and Back).

### • Stabilizer Bar and Wall Mounting Brackets

The built-in Stabilizer Bar allows changing the vertical angle up to  $\pm 5.5$  degrees. On Wall Mounting Brackets are supplied for both Flush and Angled mounting of the XCS200.

### • Optional In-Wall Mounting Kit

The optional In-Wall Mounting Kit is supplied with a paintable Metal Grille for both horizontal and vertical In-Wall Mounting Positions. Contact your McIntosh Dealer for additional information.

### • Multiple Connections

In addition to the regular connections, the XCS200 Loudspeaker System provides separate connections for Bi-Amplification and Tri-Amplification hookups, as well as Bi-Wiring and Tri-Wiring.

### • Extruded Enclosure

The Loudspeaker Enclosure is extruded thick aluminum construction with non-parallel internal sides to reduce internal standing waves. The enclosure has a durable textured black finish.

### • Gold Plated Input Connectors

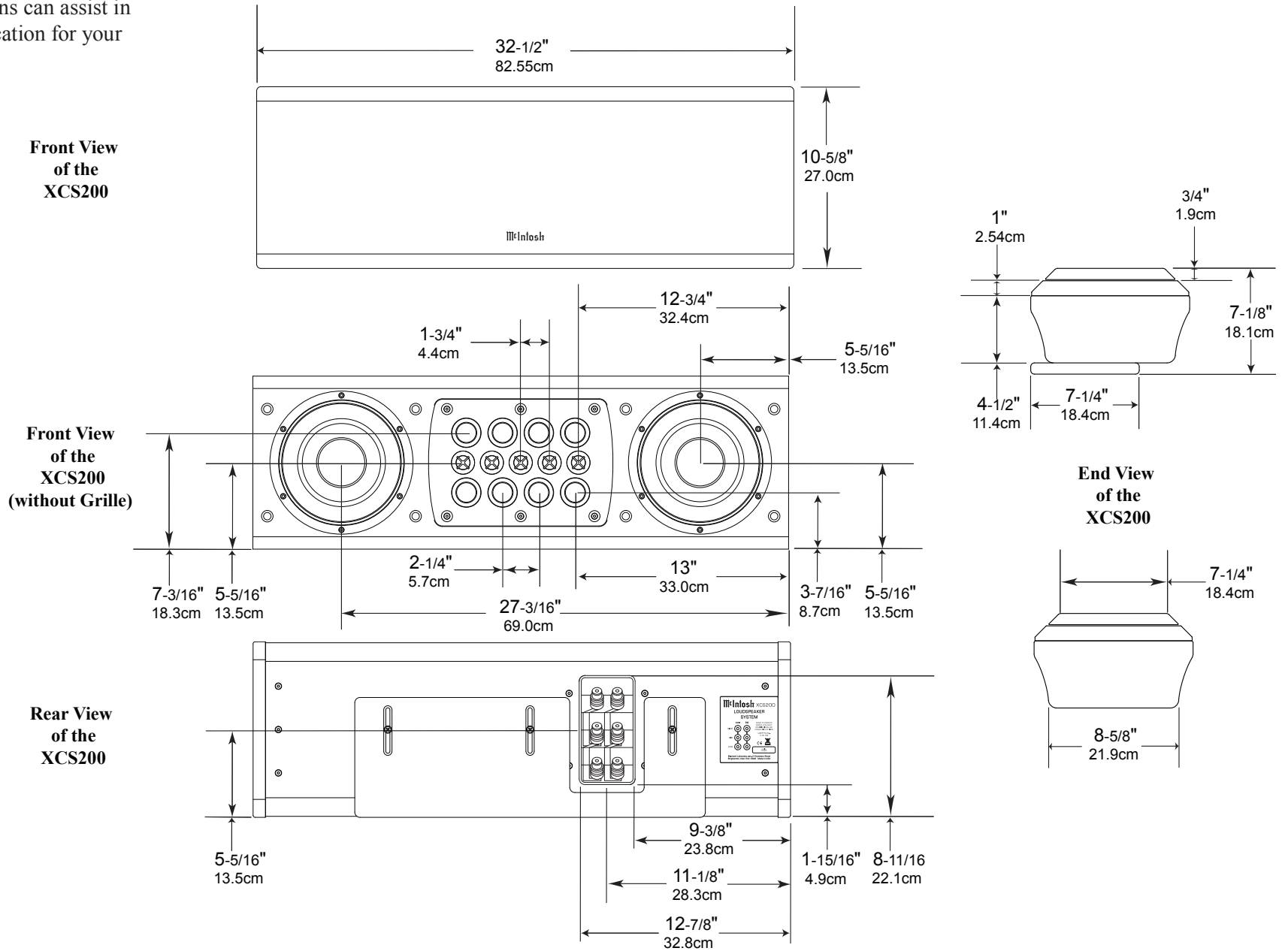
The XCS200 Input Connectors are gold plated for superior corrosion resistance and high electrical conductivity.





## Dimensions

The following dimensions can assist in determining the best location for your XCS200.



## Unpacking the Loudspeaker

To protect the fine finish of the XCS200 Loudspeaker System during the installation process, it is advisable to prepare a suitable area. A freshly vacuumed carpeted area covered with a soft, clean fabric, such as a large bed linen or blanket would be suitable.

It is recommended that the Professionals at your McIntosh Dealer, who are skilled in all aspects of installation and operation, install the XCS200 Loudspeaker System and any associated audio equipment.

1. Remove the Loudspeaker System and foam end caps by lifting up on the rear of the Loudspeaker and place it along side the shipping carton on a flat surface.
2. Release the Loudspeaker from the foam end caps and set it aside.
3. Close the top flaps of the shipping carton and place the two foam end caps on top of the carton. Refer to figure 1 for the next several steps.

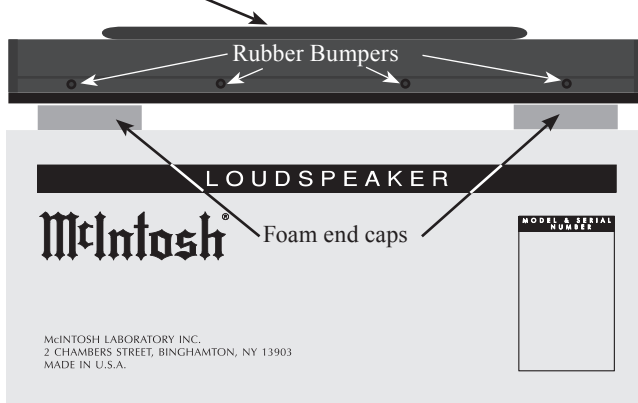


Figure 1

4. Carefully remove the protective shipping bag from the Loudspeaker System so as not to mar the finish or damage the Loudspeaker Grille.
5. Place the just removed protective shipping bag on

top of the shipping carton/foam end caps.

*Note: 1. When the XCS200 is to be used with the supplied Stabilizer Bar and Hardware, proceed to “Installing the XCS200 using Stabilizer Bar”.*

2. The XCS200 Loudspeaker is also supplied with On Wall Mounting Brackets and Hardware. If the XCS200 is to be mounted on the wall at this time, proceed to “Installing the XCS200 On the Wall” on page 8.
3. When the optional In-Wall Mounting Kit is chosen, refer to the installation guide supplied with the kit.

## Installing the XCS200 using Stabilizer Bar

1. Place the Loudspeaker System, with the front facing down, on top of the protective shipping bag.
2. Attach the four rubber bumpers to the bottom long edge of the XCS200 Loudspeaker System. Refer to figure 2.

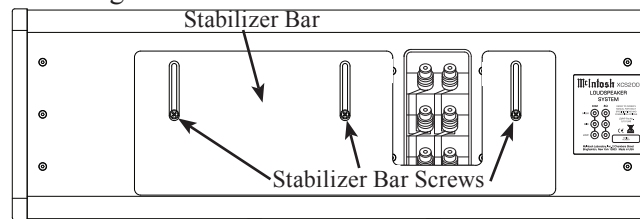


Figure 2

3. Loosen, but do not remove, the three screws securing the Stabilizer Bar to the back of the XCS200. Refer to figure 2.
4. Reposition the Stabilizer Bar even with the previously applied rubber bumpers on the side edge of the XCS200 enclosure. Refer to figure 3.

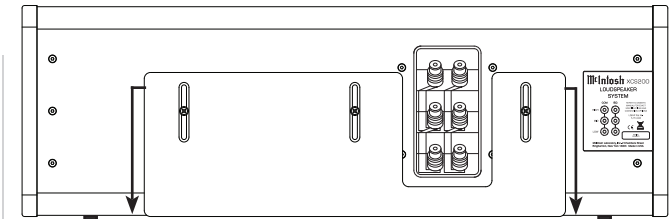


Figure 3

5. Tighten the three screws securing the Stabilizer Bar to keep it in place, but not enough to prevent changing the angle of the XCS200 in the following steps.
6. The vertical angle of the XCS200 may be changed  $\pm 5.5$  Degrees from perpendicular, allowing the sound to be directed upwards or downwards to accommodate the seating arrangement in the room. Refer to figure 4. This can be accomplished

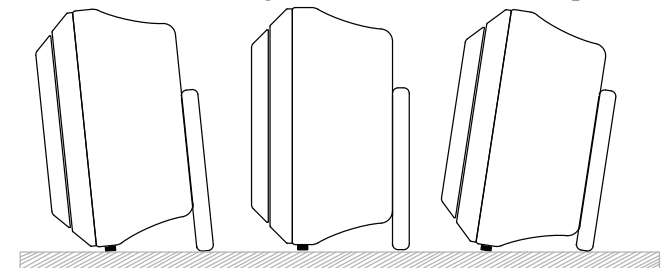


Figure 4

- by temporarily loosening the three screws and moving the Stabilizer Bar up or down. When the desired angle is achieved, tighten the three screws.
7. Optionally, attach the supplied McIntosh Logo to the Front of the XCS200 Loudspeaker Grille using the two spring clips.
  8. Proceed to “Room Acoustics and Loudspeaker Placement” on page 10.



## Installing the XCS200 on the Wall

The supplied On Wall Mounting Brackets allow for three different mounting positions of the XCS200 Loudspeaker relative to the wall, both vertical and horizontal. Two positions are flush mount, with the Loudspeaker close to and parallel with the wall. The other position is angle mount, which places the Loudspeaker further away from the wall and allows for rotation of  $\pm 30$  Degrees. Refer to figure 5.

### Horizontal Wall Mounting Angled Hardware

### Vertical and Horizontal Wall Mounting Flush Hardware

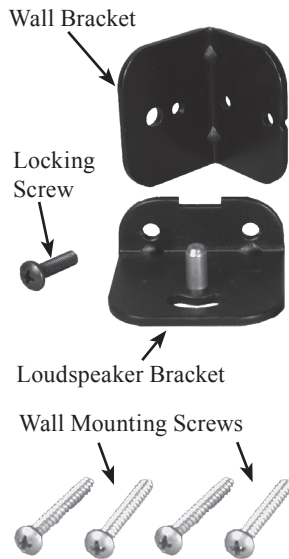
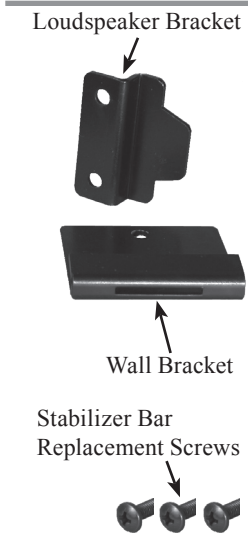


Figure 5



- Carefully remove the Grille from the Front of the Loudspeaker by lifting it up at the edges and place it in a safe place.
- Using an appropriate tool, remove the three screws securing the Stabilizer Bar to the back of the XCS200. Refer to figure 6. Replace the just removed screws with the supplied Stabilizer Bar Replacement Screws as indicated as Location-R. Refer to figures 5 and 7.

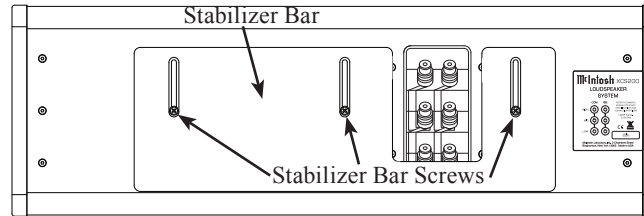


Figure 6

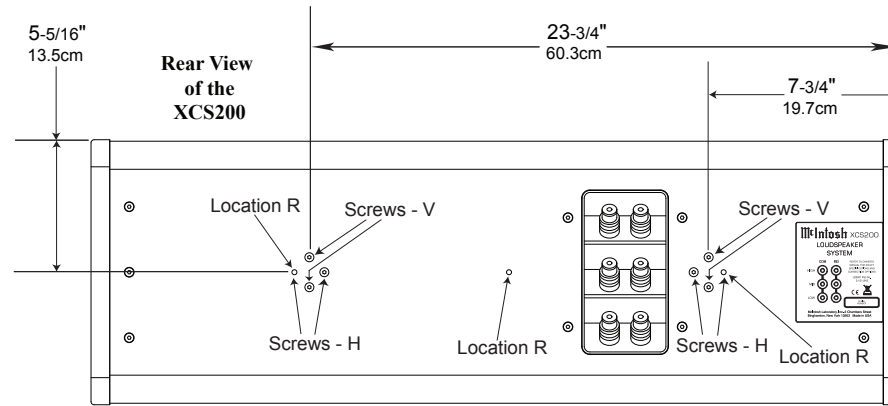


Figure 7

*Note: Retain the three removed screws and Stabilizer Bar for possible future use.*

- Attach either the flush mount or angle mount brackets to the rear of the Loudspeaker. Refer to the chart below, along with figures 5 and 7 for the screw location. Also, be sure to orient the bracket as illustrated in figures 8, 9 and 10.

*Note: The Angled Bracket is only for vertical mounting of the XCS200 Loudspeaker.*

XCS200 Screw Removal for Wall Mounting		
Mounting Type	Screws - V	Screws - H
Vertical Flush Mount	Remove	-----
Vertical Angle Mount	Remove	-----
Horizontal Flush Mount	-----	Remove

- Determine the Loudspeaker Mounting Location on the wall, making sure the Mounting Bracket will be anchored to a stud located inside the wall.

*Note: Use extreme caution to avoid any existing electrical wiring, plumbing, etc., located inside the wall.*

- Refer to figures 11 thru 16 to install the appropriate Wall Bracket on the wall (orient the bracket as illustrated) using the supplied Mounting Screws. If the Flush Mount Bracket is used, attach the two cone shaped rubber bumpers to the rear of the Loudspeaker, near the bottom.

*Note: If the wall covering material and/or thickness is different from the illustration, the two supplied Mounting Screws need to be replaced with screws of the appropriate type and length.*

- Orient the Loudspeaker to line up with the Wall Brackets and attach them together. If the angle mount is used, install the Locking Screw to secure the Loudspeaker at the desired angle.
- Optionally, attach the supplied McIntosh Logo to the Front of the XCS200 Loudspeaker Grille using the two spring clips.
- Align the Grille fasteners to the Loudspeaker Grommets (four on each side). Carefully push down to secure the Grille to the Loudspeaker.
- Proceed to "Room Acoustics and Loudspeaker Placement" on page 10.





Figure 8



Figure 9

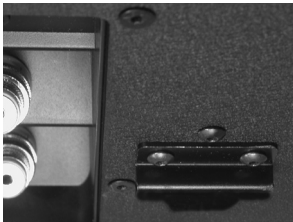


Figure 10

Horizontal Mounting with Flush Hardware

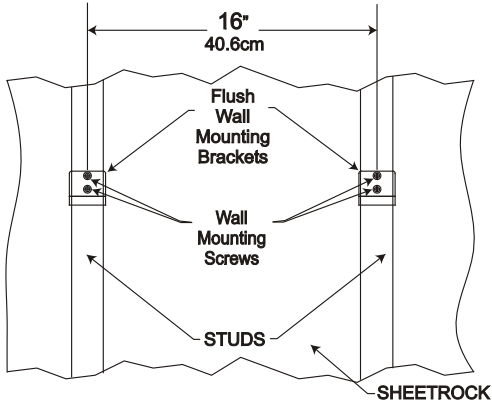


Figure 11

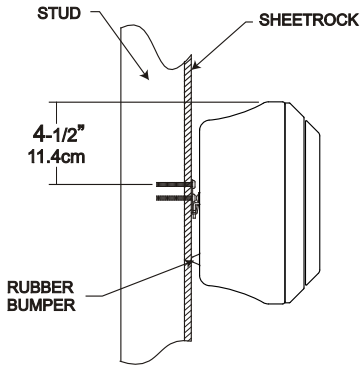


Figure 12

Vertical Mounting with Flush Hardware

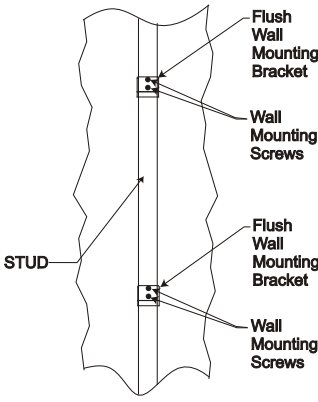


Figure 13

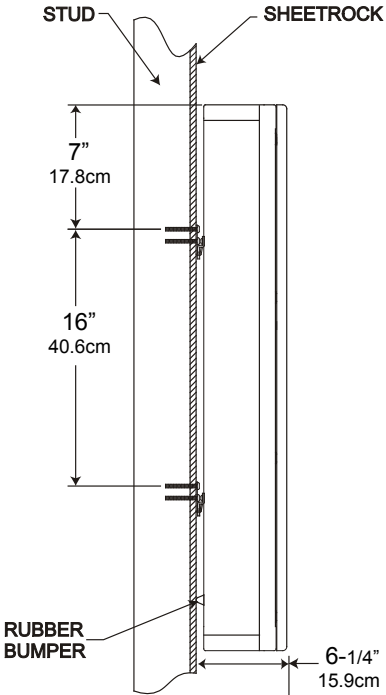


Figure 14

Vertical Mounting with Angled Hardware

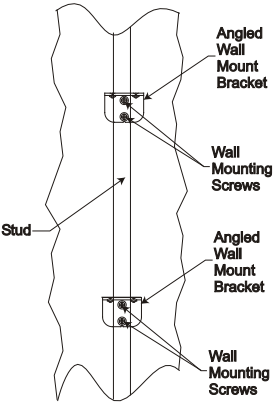


Figure 15

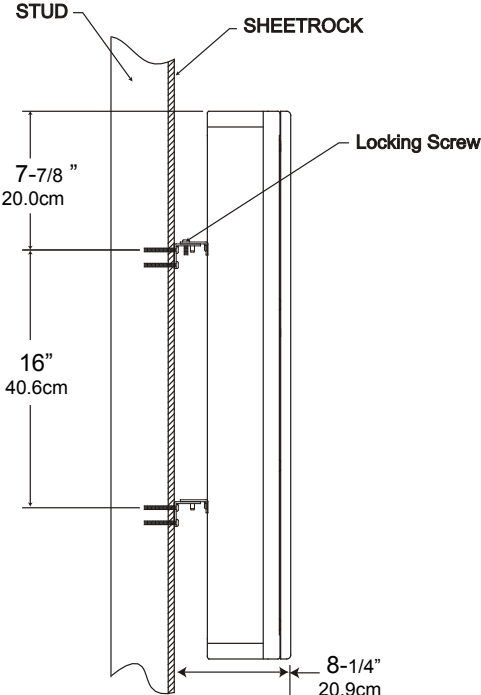


Figure 16

## Room Acoustics and Loudspeaker Placement

### Loudspeaker Placement

Loudspeaker placement in a room can greatly affect performance. The XCS200 Loudspeaker is designed for Music and Home Theater Systems. The optimal method for selecting speaker locations includes the use of a real time spectrum analyzer operated by an experienced system installer. An uncompromising installation would take into consideration the floor, wall and ceiling coverings, the type and placement of furniture and can even include the architectural design of the room and its construction materials.

Sometimes Loudspeaker placement in a room is limited to locations with unacceptable performance. McIntosh now offers a solution with several Electronic Products offering the ability to precisely measure and correct for room induced acoustical problems, thus restoring proper musical balance. Contact your McIntosh Dealer for more information about this new exciting advance in sound reproduction technology.

If a McIntosh product with room correction is not part of your system nor professional measurement of your system performance been performed, listen to the Loudspeaker. Try various locations by listening to music containing continuous bass and find a location where there is an over all musical balance in the sound and the bass content does not predominate. Placement near a wall, corner, floor, ceiling or any intersecting surfaces will reinforce or diminish some bass frequencies. The bass frequencies that are altered by placement in a particular location is dependent on the dimensions of the room.

The XCS200's Smooth Frequency Response may be altered by a large object(s) located in the sound waves path or by locating the Loudspeaker too close to a side wall. There should be an unobstructed area in

front of the Loudspeaker of at least 30 degrees either side from the center axis for the best performance. Refer to figure 20.

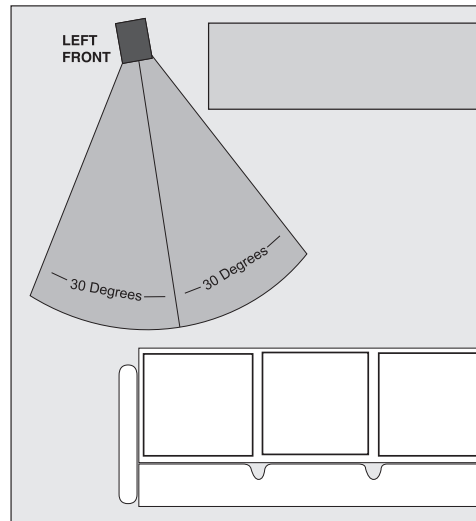


Figure 20

### Locating Loudspeakers for use in Home Theater

In a Home Theater application, the placement of Left and Right Front Loudspeakers can be limited by such considerations as the size and location of the video monitor. The locating suggestions in the “for use in a Music System” section below can still be helpful as a starting place. Refer to figure 21.

### Locating Loudspeakers for use in a Music System

When used in a Music System the distance between the Loudspeakers and the listener to the Loudspeakers should form an equilateral or an acute isosceles triangle. If the speakers are too far apart relative to the listener, some imaging can be lost. Refer to figure 22.

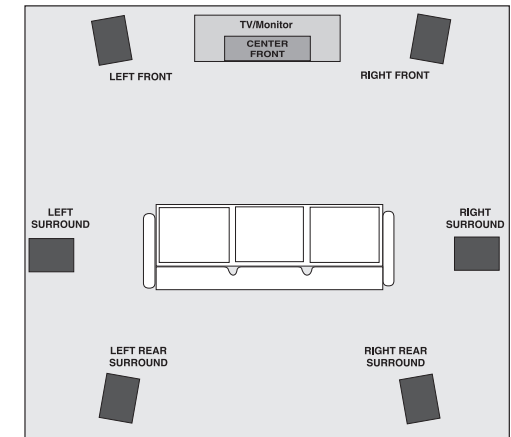


Figure 21

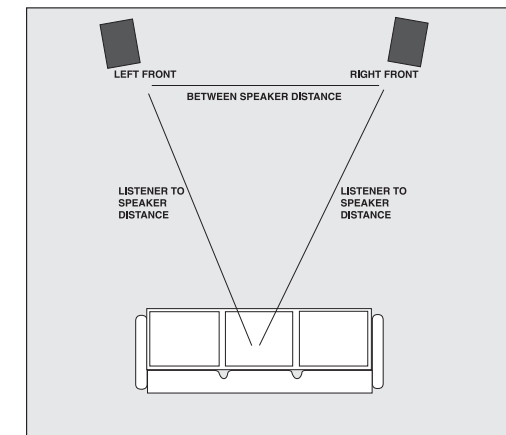


Figure 22

## How to Connect using a single Amplifier

**Caution:** The AC Power Cord should not be connected to the Power Amplifier until after the Loudspeaker Connections have been made. Failure to observe this could result in Electric Shock.

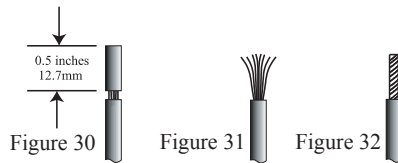
When connecting the XCS200 Loudspeaker to an amplifier, it is very important to use cables of adequate size so there is negligible power loss in the cables. The size is specified in Gauge Numbers or AWG (American Wire Gauge). The smaller the Gauge number, the larger the wire size:

Loudspeaker Cable Distance vs Wire Gauge Guide			
Loudspeaker Impedance	25 feet (7.62 meters) or less	50 feet (15.24 meters) or less	100 feet (30.48 meters) or less
8 Ohms	16AWG	14AWG	12AWG

1. Prepare Loudspeaker cables by choosing one of the methods below:

### Bare wire cable ends:

Carefully remove sufficient insulation from the cable ends, refer to figures 30, 31 & 32. If the cable is stranded, carefully twist the strands together as tightly as possible.

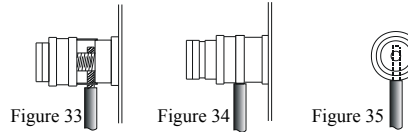


as tightly as possible.

*Note:* If desired, the twisted ends can be tinned with solder to keep the strands together or attach spade lugs.

### Spade lug or prepared wire connection:

Insert the spade lug connector or prepared section of the cable end into the terminal side access hole, and tighten the terminal cap until the cable is firmly clamped into the terminal so the wires cannot slip out. Refer to figures 33, 34 & 35.

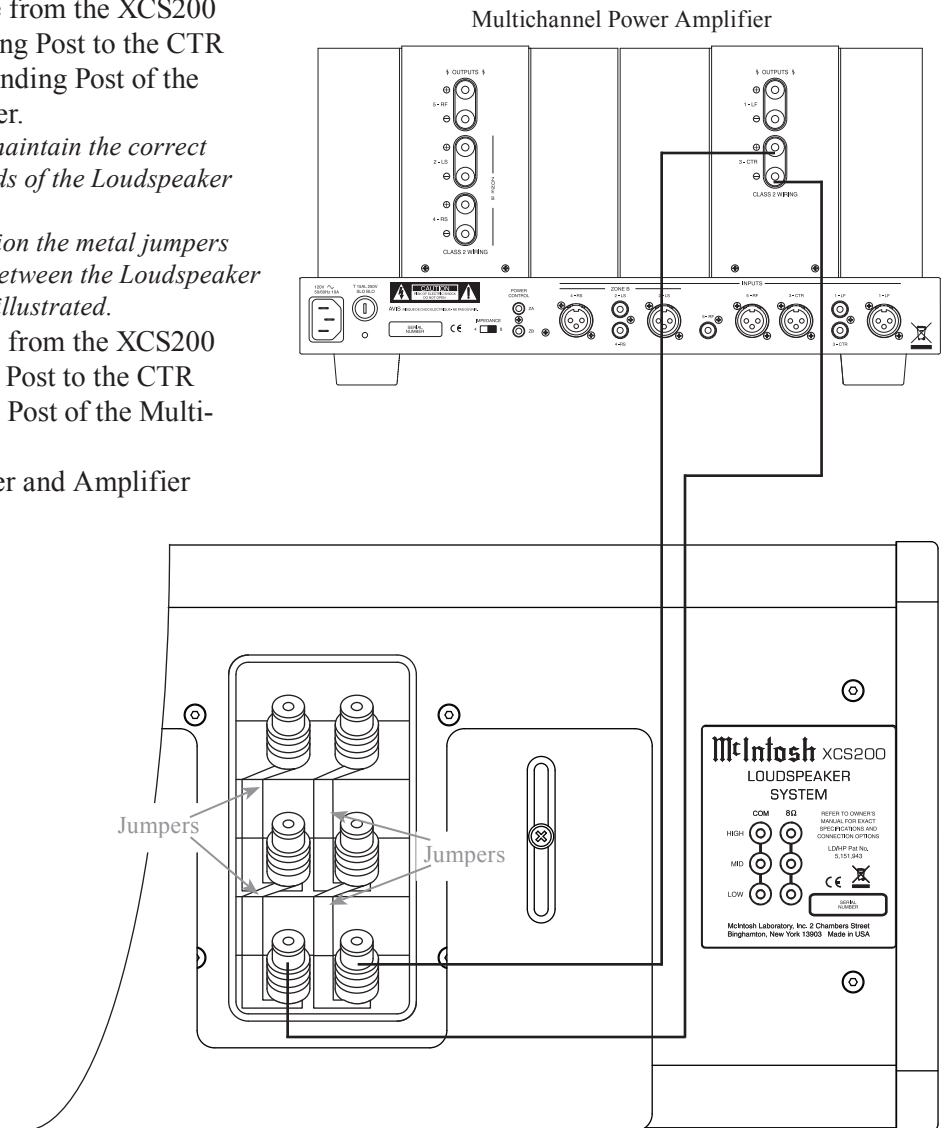


2. Connect a Loudspeaker cable from the XCS200 LOW Frequency COM Binding Post to the CTR (Center) Channel COM (-) Binding Post of the Multichannel Power Amplifier.

*Notes:* 1. It is important to maintain the correct polarity at both ends of the Loudspeaker cables.

2. For proper operation the metal jumpers must be installed between the Loudspeaker Terminal Posts as illustrated.

3. Connect a Loudspeaker cable from the XCS200 LOW Frequency 8Ω Binding Post to the CTR (Center) Channel (+) Binding Post of the Multichannel Power Amplifier.
4. Tighten all of the Loudspeaker and Amplifier Binding Posts.



## How to Connect using Two Amplifiers

**Caution:** *The AC Power Cord should not be connected to the Power Amplifiers until after the Loudspeaker Connections have been made. Failure to observe this could result in Electric Shock.*

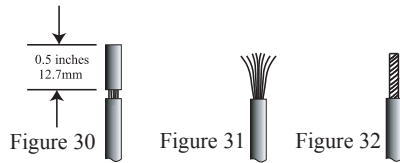
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Loudspeaker Cable Distance vs Wire Gauge Guide			
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1. Prepare Loudspeaker cables by choosing one of the methods below:

### Bare wire cable ends:

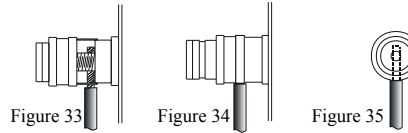
Carefully remove sufficient insulation from the cable ends, refer to figures 30, 31 & 32. If the cable is stranded, carefully twist the strands together as tightly as possible.



*Note: If desired, the twisted ends can be tinned with solder to keep the strands together or attach spade lugs.*

### Spade lug or prepared wire connection:

Insert the spade lug connector or prepared section of the cable end into the terminal side access hole, and tighten the terminal cap until the cable is firmly clamped into the terminal so the wires cannot slip out. Refer to figures 33, 34 & 35.



2. Remove the metal jumper between the Loudspeaker LOW Frequency COM (-) Binding Post and MID Frequency COM (-) Binding Post.
3. Remove the metal jumper between the Loudspeaker LOW Frequency 8Ω (+) Binding Post and MID Frequency 8Ω (+) Binding Post.
4. Connect a Loudspeaker cable from the XCS200 LOW Frequency COM Binding Post to the COM (-) Binding Post of the Power Amplifier number One.

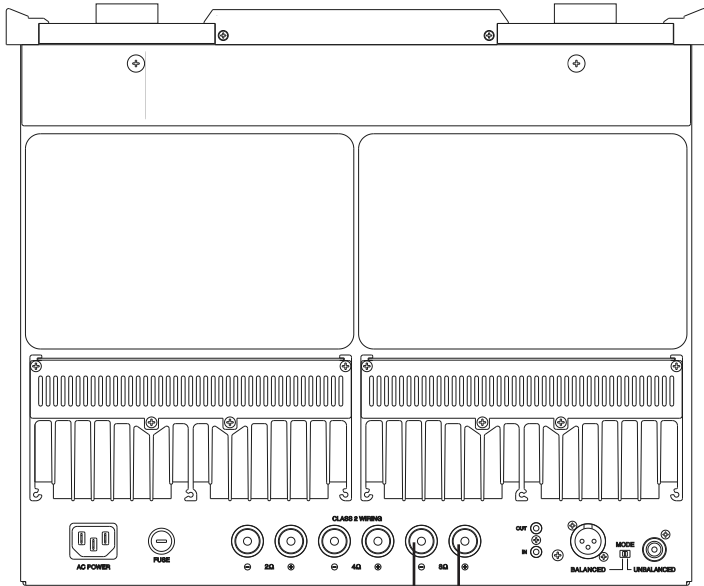
*Notes: 1. It is important to maintain the correct polarity at both ends of the Loudspeaker cables.*

*2. For proper operation the metal jumpers must be installed between the Loudspeaker Terminal Posts as illustrated.*

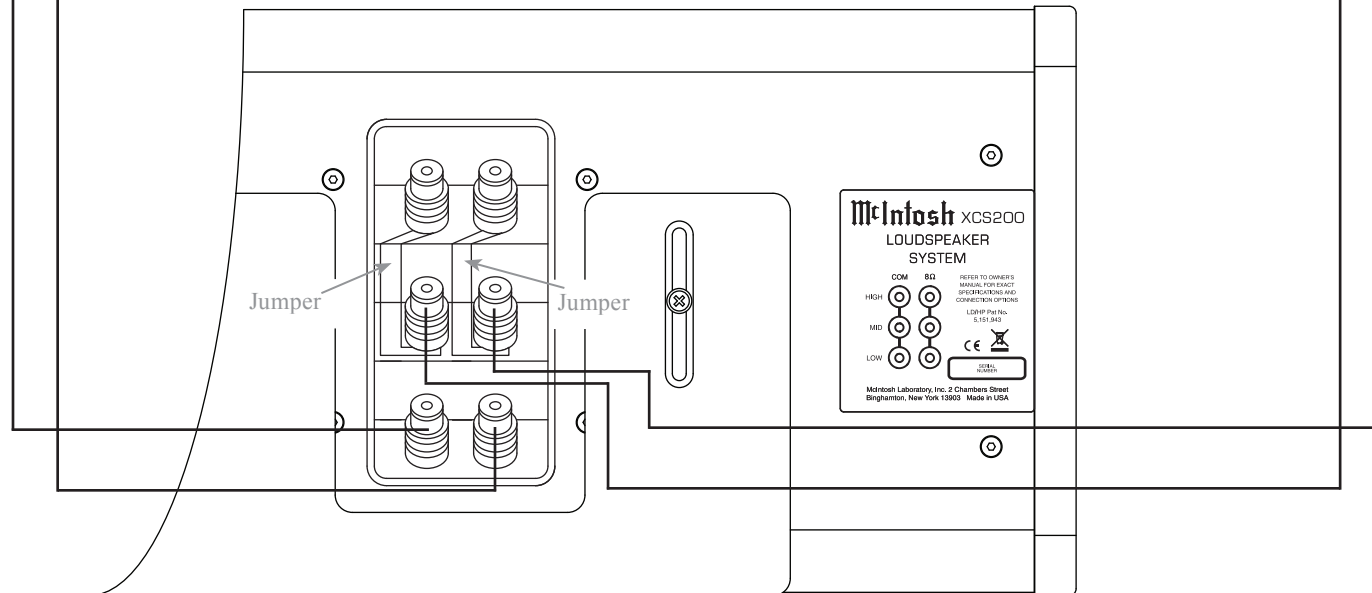
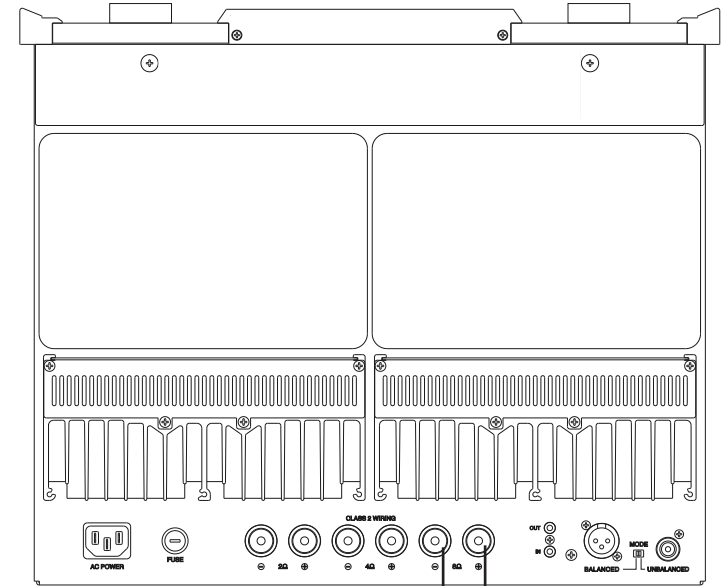
5. Connect a Loudspeaker cable from the XCS200 LOW Frequency 8Ω Binding Post to the 8 ohm (+) Binding Post of the Power Amplifier number One.
6. Connect a Loudspeaker cable from the XCS200 MID Frequency COM Binding Post to the COM (-) Binding Post of the Power Amplifier number Two.
7. Connect a Loudspeaker cable from the XCS200 MID Frequency 8Ω Binding Post to the 8 ohm (+) Binding Post of the Power Amplifier number Two.
8. Tighten all of the Loudspeaker and Amplifier Binding Posts.

# How to Connect using Two Amplifiers

Power Amplifier number One



Power Amplifier number Two





## How to Connect using Three Amplifiers

**Caution:** The AC Power Cord should not be connected to the Power Amplifiers until after the Loudspeaker Connections have been made. Failure to observe this could result in Electric Shock.

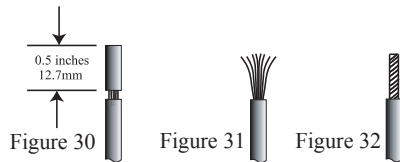
When connecting the XCS200 Loudspeaker to amplifiers, it is very important to use cables of adequate size so there is negligible power loss in the cables. The size is specified in Gauge Numbers or AWG (American Wire Gauge). The smaller the Gauge number, the larger the wire size:

Loudspeaker Cable Distance vs Wire Gauge Guide			
Loudspeaker Impedance	25 feet (7.62 meters) or less	50 feet (15.24 meters) or less	100 feet (30.48 meters) or less
8 Ohms	16AWG	14AWG	12AWG

1. Prepare Loudspeaker cables by choosing one of the methods below:

### Bare wire cable ends:

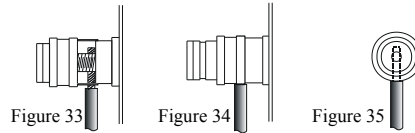
Carefully remove sufficient insulation from the cable ends, refer to figures 30, 31 & 32. If the cable is stranded, carefully twist the strands together as tightly as possible.



*Note: If desired, the twisted ends can be tinned with solder to keep the strands together or attach spade lugs.*

### Spade lug or prepared wire connection:

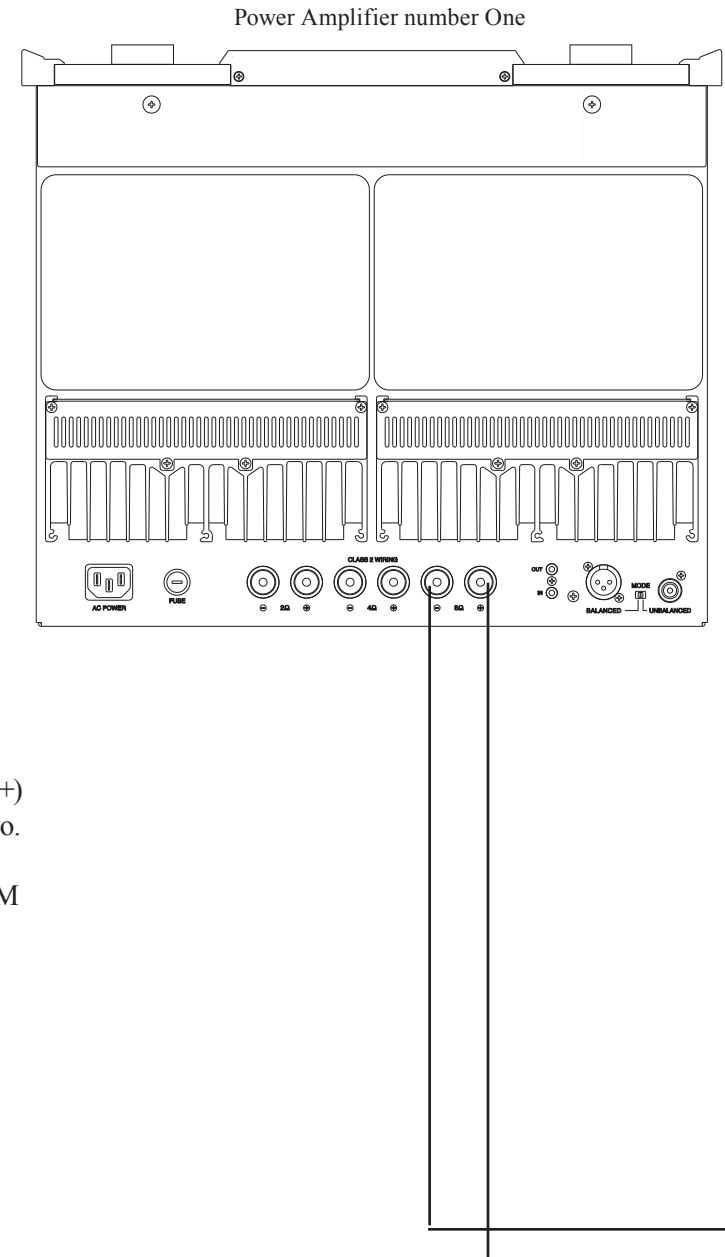
Insert the spade lug connector or prepared section of the cable end into the terminal side access hole, and tighten the terminal cap until the cable is firmly clamped into the terminal so the wires cannot slip out. Refer to figures 33, 34 & 35.



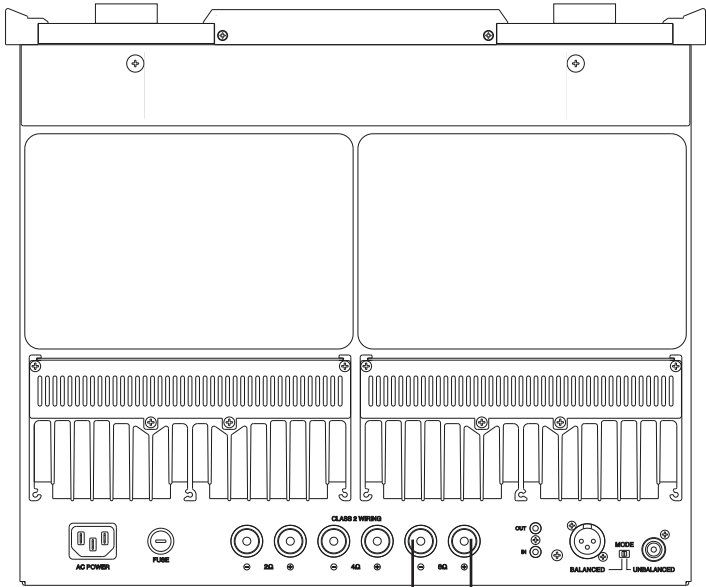
2. Remove all four metal jumpers between Loudspeaker Binding Posts.
3. Connect a Loudspeaker cable from the XCS200 LOW Frequency COM Binding Post to the COM (-) Binding Post of the Power Amplifier Output One.

*Note: It is important to maintain the correct polarity at both ends of the Loudspeaker cables.*

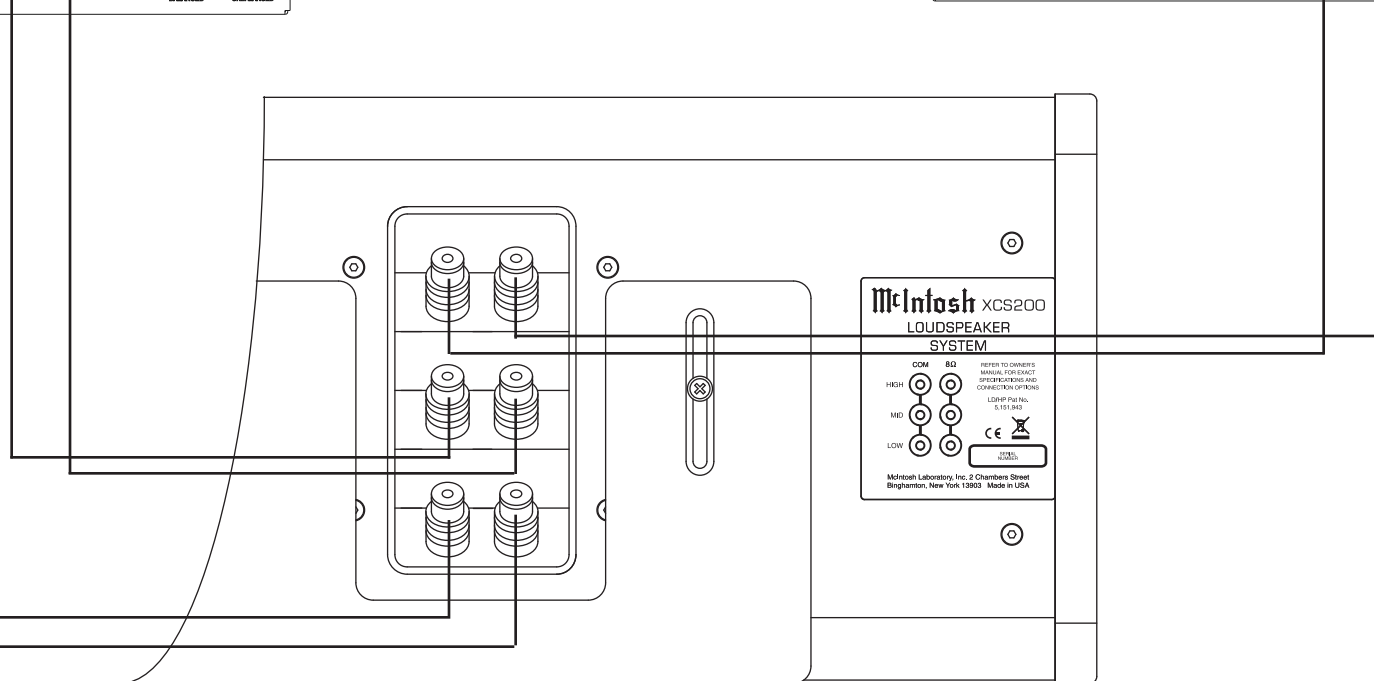
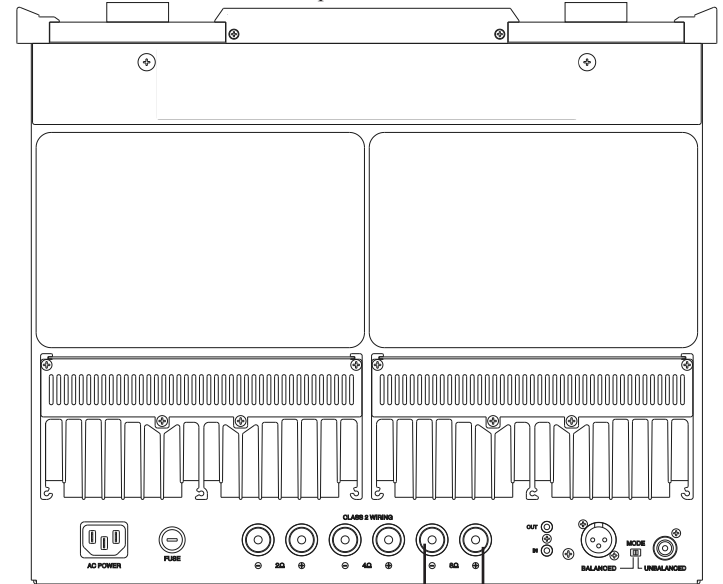
4. Connect a Loudspeaker cable from the XCS200 LOW Frequency 8Ω Binding Post to the 8 ohm (+) Binding Post of the Power Amplifier Output One.
5. Connect a Loudspeaker cable from the XCS200 MID Frequency COM Binding Post to the COM (-) Binding Post of the Power Amplifier Output Two.
6. Connect a Loudspeaker cable from the XCS200 MID Frequency 8Ω Binding Post to the 8 ohm (+) Binding Post of the Power Amplifier Output Two.
7. Connect a Loudspeaker cable from the XCS200 HIGH Frequency COM Binding Post to the COM (-) Binding Post of the Power Amplifier Output Three.
8. Connect a Loudspeaker cable from the XCS200 HIGH Frequency 8Ω Binding Post to the 8 ohm (+) Binding Post of the Power Amplifier Output Three.
9. Tighten all of the Loudspeaker and Amplifier Binding Posts.

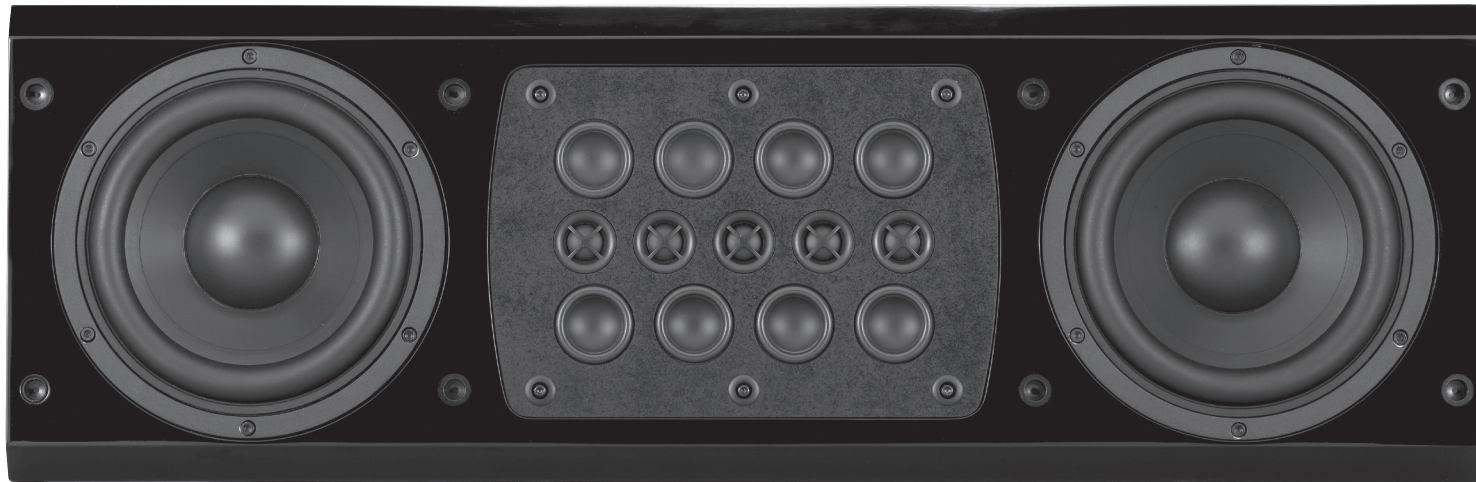


Power Amplifier number Two

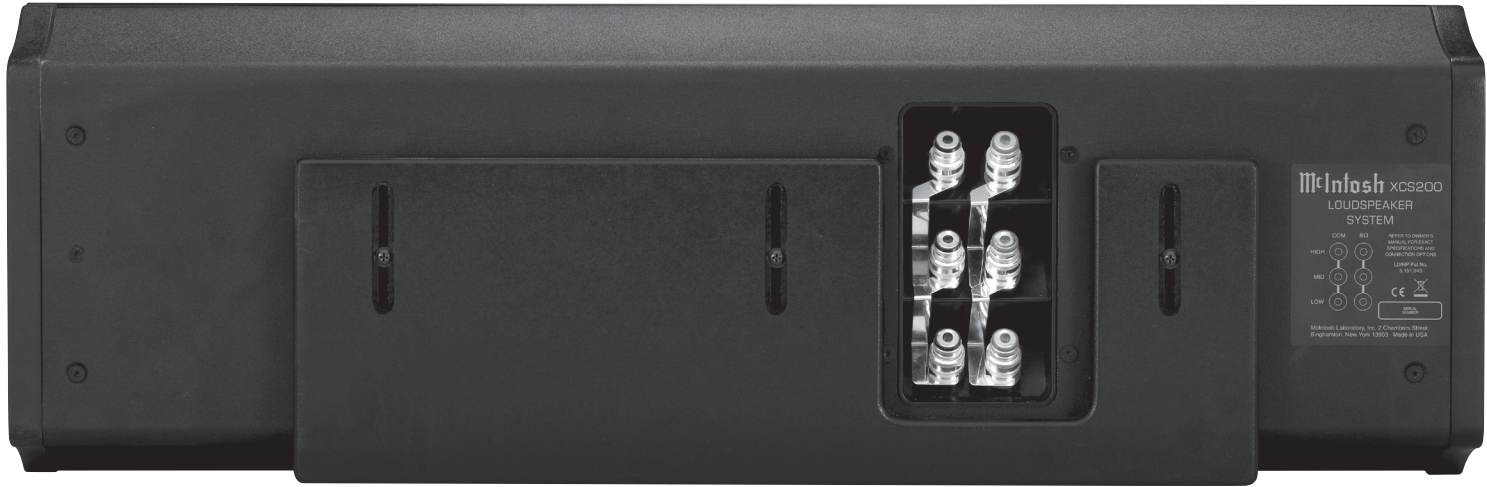


Power Amplifier number Three











## Specifications

### System Driver Complement

Two 8 inch LD/HP® Woofers  
Eight 2 inch Titanium Inverted  
Dome Midranges  
Five 3/4 inch Titanium Dome Tweeters

### Impedance

8 ohms Nominal

### Frequency Response

80Hz - 45kHz

### Sensitivity

86dB (2.83V/1m equivalent)

### Crossover Frequencies

240Hz  
1,900Hz

### Power Handling

600 Watts Maximum

## General Specifications

### Finish Enclosure

Textured Black

### Finish Grille

Black Knit Cloth

### Overall Dimensions (includes base and feet)

Width is 32-1/2 inches (82.55cm)  
Height is 10-5/8 inches (27.0cm)  
Depth is 7-1/8 inches (18.1cm)

### Weight

61 pounds (27.5 kg) net  
73 pounds (33.2kg) in shipping carton

### Shipping Carton Dimensions

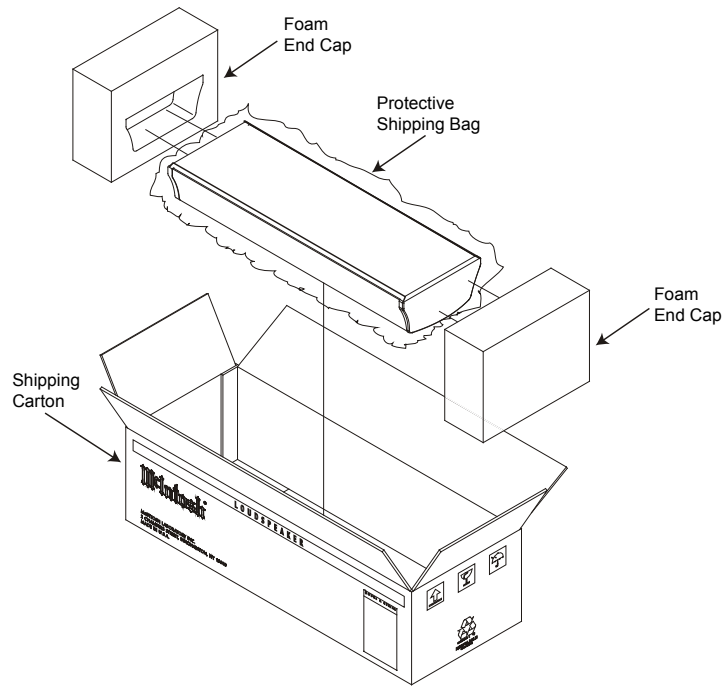
Length is 37-1/2 inches (95.3cm)  
Width is 17 inches (43.2cm)  
Depth is 14-1/2 inches (36.8cm)

**Packing Instructions**

In the event it is necessary to repack the equipment for shipment, the equipment must be packed exactly as illustrated. To protect the finish of the Loudspeaker it is advisable to place it in the original protective shipping bag before placing it into the shipping carton.

Use the original shipping carton and interior parts only if they are all in good serviceable condition. If a shipping carton or any of the interior part(s) are needed, please call or write Customer Service Department of McIntosh Laboratory. Refer to page 3. Please see the Part List for the correct part numbers

<u>Quantity</u>	<u>Part Number</u>	<u>Description</u>
1	034488	Shipping carton
2	034489	Foam end cap
1	034310	Protective shipping bag





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