



We appreciate your choosing Pinnacle speakers for use in your Home Theater & audio system. These unique speakers will provide you with surprisingly powerful and satisfying sound from an ultra stylish & compact package. Please read this manual completely to ensure the best possible performance from your Home Theater or sound system.

**SPEAKER PROTECTION:**

One special feature of these speakers is an overload protection circuit designed to help protect the speaker from accidental overload. This protection circuit will automatically attenuate the overall output of a speaker when it senses excessive volume level. If you hear this protection circuit engaging, (and it will be obvious when this occurs), please turn down your receiver's volume. Your speaker will quickly return to its normal operation.

**CONNECTIONS:**

Complete all wire connections in your Home Theater/Sound system before powering up your receiver. Be sure to observe proper polarity for all speaker wire connections: receiver PLUS (red terminal) to speaker PLUS, receiver MINUS (black terminal) to speaker minus. For the best results, we recommend 12, 14 or 16 gauge wire; consult your dealer for options.

To connect your speaker wire to your speaker's binding posts, twist the bare wire strands together tightly, then insert through the hole which becomes visible when the knurled knob is screwed counterclockwise. The wire must then be secured by screwing the knob back clockwise until snug. Remember, loose strands of wire may cause short circuits. Upon completion, gently tug at all connections to ensure they are fastened securely and re-check for correct polarity.

### HOME THEATER SETUP:

These speakers can be used in front, center or rear speaker positions.

- Connect your left & right speakers to your receiver's left & right main (front speaker) outputs.
- Connect your center channel speakers to your receiver's center channel speaker output.
- Connect your left & right surround channel speakers to your receiver's left & right surround (rear) channels' speaker outputs.
- Connect your Subwoofer to your Receiver's SUBWOOFER OUT jack.

### VERY IMPORTANT!

Be sure your receiver's center, main & surround channel modes are all set to SMALL (NORMAL). This will allow for the greatest bass impact from your system.

### RECOMMENDED MAIN AND CENTER SPEAKER PLACEMENT:

- The best distance between the main speakers is dependent upon room conditions, size, and the proximity of the listening area to the speakers; usually 6-12 feet is appropriate. A bit of experimentation is in order, but smaller rooms will better tolerate closer spacing between the speakers.
- We recommend you place your center speaker horizontally on top of (or just below) your TV.

### RECOMMENDED SURROUND SPEAKER PLACEMENT:

- For a 5.1 System, we recommend you place your surround speakers behind you, equally spaced to your left and right, facing towards the front of the room.
- For a 7.1 System, we recommend you place your rear surround speakers behind you, equally spaced to your left and right, facing towards the front of the room and your side surround speakers to the left & right of your listening position facing towards you.

One general rule of thumb: try to position speakers so that the tweeter's level is fairly close to your ear level in your normal listening position. High frequencies are much more directional than low frequencies so it is best that your ears are within a fairly direct path to the tweeter's output.

### ON-WALL MOUNTING INSTRUCTIONS:

#### INSTALLATION NOTES:

The hanging methodology employed with this product is intended for mounting on walls of standard construction, which includes most residential environments. Such environments are typically constructed with wooden studs behind the walls that will securely accept the enclosed screws. If you do not notice resistance behind the wall when drilling the pilot hole you probably do not have a stud in that location and will then need to use the enclosed wall anchors. In installations with concrete, brick, cinder block or stone walls we recommend the use of 1.5" to 2" concrete nails.

#### TOOLS REQUIRED:

- #2 Philips head screwdriver bit or hand screwdriver.
- Stud Finder
- Drill - electric or cordless, with 1/8" & 1/4" bits. Note: If you do not have access to a drill and you know there is a stud in the wall at your desired mounting location you may use nails to attach the speaker's mounting bracket to the wall. We recommend 'common nail 10D'.

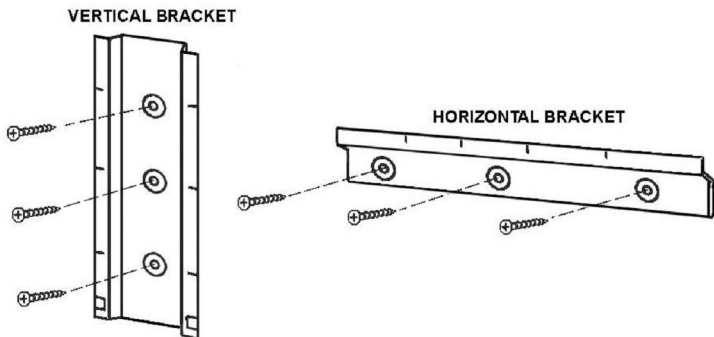
## MOUNTING INSTRUCTIONS:

- 1) Place the speaker on the wall at the desired mounting location.
- 2) For Vertical Orientation: Make a small mark on the wall at the bottom center of the speaker.

For Horizontal Orientation: Make a small mark on the wall at the top center of the speaker. For the P-WAFR LCR 25 make a mark 1" lower than the top center of the speaker.

- 3) Remove the speaker from the wall and place the appropriate wall mount bracket:  
For Vertical Orientation: so that the mark on the wall lines up with the bottom center of the bracket.

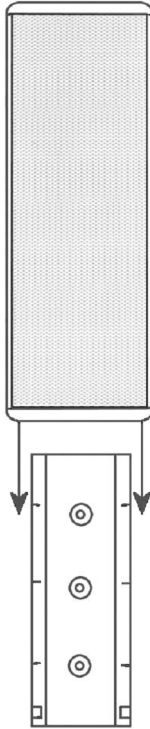
For Horizontal Orientation: so that the mark on the wall lines up with the top center of the bracket.



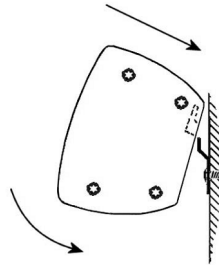
- 4) Orient the bracket so that it is level. Mark on the wall the locations for the bracket's mounting screws. Remove the mounting bracket from the wall.
- 5) Drill 2" deep pilot holes at each of the mounting screwhole marks on the wall using the 1/8" bit if mounting into a stud, or the 1/4" bit (and then inserting the included wall anchors) where there is no stud.
- 6) Place the bracket back on the wall lining up the screw holes of the bracket with the holes on the wall. For vertical installations be sure to orient the bracket with the large 'stop' indentations at the bottom. Screw the included mounting screws fully into the pilot holes or wall anchors. The bracket should now be securely attached to the wall.

- 7) Attach your speaker wires to the speaker, being sure to observe proper polarity (amplifier speaker output positive (+) to the red terminal, amplifier speaker output negative (-) to the black terminal).
- 8) Holding the speaker carefully above the bracket, lower it slowly until the bracket is fully inserted into the groove on the back of the cabinet.

**VERTICAL MOUNTING**



**HORIZONTAL MOUNTING**



After completing all connections, turn the system on, then GRADUALLY increase the volume level. If there is no sound, distorted sound, or if the amplifier shuts itself down after a few seconds, IMMEDIATELY TURN THE VOLUME DOWN and turn the system off. Then re-check your wiring for accuracy and for possible shorts at the connecting terminals (adjacent bare wires touching each other). When everything sounds fine, keep the volume reasonably low while you familiarize yourself with your system's various controls and operating modes.

## **LIMITED TRANSFERABLE WARRANTY**

**WHAT IS COVERED:** This Pinnacle speaker is covered by warranty for a period of ten (10) years from the date of the original purchase. The warranty covers all necessary parts and labor to return the speaker to proper working order. Cabinet surfaces, grille assembly, and other exterior parts subject to normal wear and tear are not covered except where an inherent structural defect becomes evident. Parts replacement and labor will be performed at the discretion of the company (Pinnacle Loudspeakers) and will be provided free of charge unless (in the opinion of our service department, service representatives, or engineering department) the speaker system has failed due to abuse or negligent operation. Any latent defect attributable to error in manufacture will always be covered by this warranty.

**WHAT IS NOT COVERED:** This warranty will be void and no free services performed if we or any party acting as our agent determines that the speaker system in question has had any of its loudspeaker elements (woofer, midrange, tweeter, etc.) or internal circuitry removed or tampered with in any way whatsoever without express prior authorization from Pinnacle. Furthermore, if the speaker system is not found to be defective a service charge will be levied. In either case the minimum charge will be \$30.00. An additional charge will be applicable for same day service if requested (subject to feasibility). This charge will always be in effect even if the actual parts and labor are covered by this warranty. Any damage caused to the speaker system from improper use is not covered by warranty. Pinnacle Loudspeakers reserves the right to make the final determination of whether or not a particular speaker system has been damaged by abuse or excessive overload.

**TO OBTAIN SERVICE:** To obtain service under this warranty, contact us at [service@pinnaclespeakers.com](mailto:service@pinnaclespeakers.com). If you ship your speakers you are responsible for packing and shipping insurance. The freight must be prepaid. We will, however, pay return freight charges on any returned speaker that qualifies for in-warranty service. Sorry, we cannot accept any collect freight charges. You must include a note, attached to the unit, with your name, phone number or email address, and return shipping address (no Post Office boxes), indicating the nature of the problem you are experiencing. For warranty service you must also include a copy of your sales receipt. If the speaker returned to us or our agents for service proves not eligible for warranty repairs or is not found to be defective, then you will have to pay return freight charges. Please be sure to pack any items you ship us carefully since we cannot be held responsible for damages incurred during shipping. This warranty may be transferred to a subsequent owner, but will not be in effect for a period greater than ten (10) years from the date of the original purchase. **SAVE THIS CERTIFICATE AND YOUR SALES RECEIPT. YOU MAY NEED THEM TO OBTAIN SERVICE UNDER THE PROVISIONS OF THIS LIMITED WARRANTY.**



*Speakers of the House Since 1976<sup>SM</sup>*

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**PR MAN PLASMA REV0511**