

**O W N E R ' S  
M A N U A L**

# **R Series** LOUDSPEAKERS

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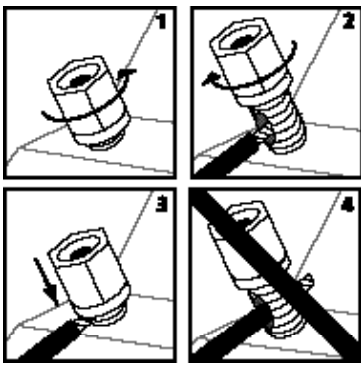
**R15**

**R20**

**R30**

**R50**

**polkaudio**  
the speaker specialists®



**Using Binding Post connectors.**  
Loosen hex nut and insert bare speaker wire through hole. Tighten hex nut down to make connection. Do not insert insulated section of wire into hole (you will not get a connection).

**Uso de conectores de tornillo de presión.**  
Afloje la tuerca hexagonal e inserte el cable sin aislamiento a través del agujero. Apriete la tuerca hexagonal para hacer la conexión. No inserte la sección aislada del cable en el agujero pues en ese caso no se establecerá la conexión.

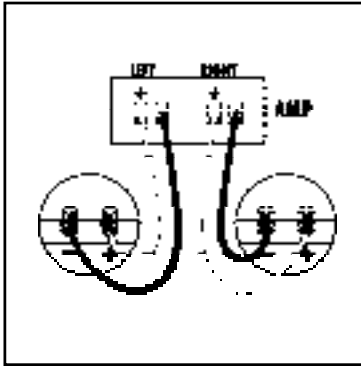
**Bornes de branchement.**  
Desserrez l'écrou de la borne et insérez le fil dénudé dans le trou. Resserrez fermement l'écrou pour assurer un bon contact. N'insérez pas la gaine du fil dans le trou car le contact électrique ne se fera pas.

**Verwendung von Anschlussklemmen.**  
Die Sechskantmutter lösen, und den blanken Lautsprecherdraht in die Öffnung einführen. Die Sechskantmutter festdrehen, um den Anschluss herzustellen. Nicht den isolierten Teil des Drahts in die Öffnung einführen (es wird kein Anschluss hergestellt).

**Utilizzo dei connettori a vite:**  
allentare il dado esagonale e inserire nel foro il conduttore nudo del cavo di potenza. Serrare il dado per eseguire la connessione. Non inserire nel foro il tratto isolato di cavo (non si realizzerà la connessione).

**Utilização de conectores tipo borne Solte a porca hexagonal e insira o fio desencapado da caixa acústica no orifício.**  
Aperte a porca para fazer a conexão. Não insira a seção isolada do fio no orifício (não haverá conexão).

To use Banana Plugs (US only): Unscrew the Binding Post Lug Nuts completely to expose the Binding Post Plugs (plastic plugs inserted into the binding posts). Carefully pry out the Binding Post Plugs to expose Banana Plug holes. Screw the lug nuts back on the Binding Posts and insert banana plugs. (This is for US owners only.)



**Basic speaker hookup.**  
Make certain that the red (+) and black (-) connectors on your amplifier or receiver connect to the red (+) and black (-) connectors on your speakers. If your speakers sound "thin," with little bass and little or no center image, odds are that one of the speaker wires is connected backwards. Double check all connections.

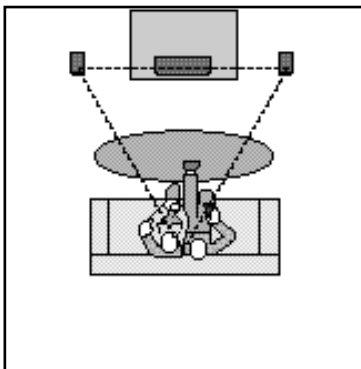
**Conexión básica de altavoces.**  
Asegúrese de que los conectores rojos (+) y negros (-) del amplificador o receptor van conectados a los conectores rojos (+) y negros (-) de los altavoces. Si los altavoces suenan "finos" con pocos bajos y poca o ninguna imagen central, es probable que uno de los cables esté conectado al revés. Revise bien todas las conexiones.

**Branchement des enceintes.**  
Assurez-vous que les bornes rouges (+) et noires (-) de votre amplificateur ou récepteur sont bien raccordées aux bornes rouges (+) et noires (-) de vos enceintes. Si la sonorité de vos enceintes semble "grêle" avec peu de graves et peu ou pas d'image centrale, la polarité d'un des fils est probablement inversée. Vérifiez toutes les connexions.

**Grundlegender Lautsprecheranschluss.**  
Sicherstellen, dass die roten (+) und schwarzen (-) Anschlüsse am Verstärker oder Receiver an die roten (+) und schwarzen (-) Anschlüsse an den Lautsprechern angeschlossen sind. Wenn die Lautsprecher „schwach“ klingen und kaum Bässe oder mittleres Klangbild zu hören sind, ist mit größter Wahrscheinlichkeit einer der Lautsprecherdrähte falsch angeschlossen. Alle Anschlüsse erneut überprüfen.

**Collegamento base degli altoparlanti:**  
verificare che i connettori rosso (+) e nero (-) dell'amplificatore o del ricevitore siano collegati ai connettori rosso (+) e nero (-) degli altoparlanti. Se il suono di questi ultimi è acuto, con bassi poco percettibili e immagine centrale fioca o assente, è probabile che uno dei cavi degli altoparlanti sia collegato in modo invertito. Controllare tutte le connessioni.

**Conexão básica da caixa acústica.**  
Certifique-se de que os conectores vermelho (+) e preto (-) em seu amplificador ou receptor estejam conectados aos respectivos conectores na caixa acústica. Se suas caixas tiverem um som "magro", com pouco grave ou sem imagem central, é provável que uma das caixas esteja com a conexão invertida. Verifique novamente todas as conexões.



Get the most realistic stereo image by placing speakers as far apart as the listeners are sitting from them. If room conditions require that you place the speakers farther apart, you may choose to angle the speakers toward the middle to support a more solid center image.

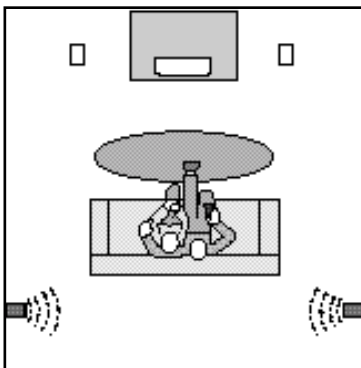
Obtenga la imagen estereofónica más realista posible separando los altavoces la misma distancia que hay entre los altavoces y el oyente. Si las condiciones de la sala exigen que coloque los altavoces con mayor separación, puede orientarlos hacia el centro para producir una imagen central de sonido más sólida.

Pour obtenir la meilleure image stéréophonique, disposez les enceintes de façon à ce que la distance qui les sépare soit la même que la distance qui les sépare de votre point d'écoute. Si la distance entre les enceintes doit être plus grande que leur distance du point d'écoute, dirigez-les vers ce point pour obtenir une image centrale plus précise.

Der Stereosound hört sich am realistischsten an, wenn der Abstand zwischen den Lautsprechern und der Abstand zwischen Zuhörer und Lautsprechern gleich ist. Wenn die Lautsprecher aufgrund der Raumbedingungen weiter auseinander aufgestellt werden müssen, sollten die Lautsprecher in einem Winkel zur Mitte positioniert werden, um das mittlere Klangbild besser zu unterstützen.

Per ottenere l'immagine stereo più fedele, collocare gli altoparlanti a una distanza tra l'uno e l'altro uguale alla distanza tra di essi e gli ascoltatori. Se le condizioni della sala richiedono di collocare gli altoparlanti a una distanza maggiore, valutare la possibilità di disporli ad angolo verso il centro per rafforzare l'immagine centrale.

Para obter o som estereó mais real possível, posicione as caixas afastadas ao máximo uma da outra em relação ao ouvinte. Se for necessário posicionar as caixas ainda muito separadas, você pode posicionar as caixas em ângulo em direção ao meio, para obter um som central melhor.



You can use R Series speakers as rear surround speakers in a Polk Audio home theater system. Ideal rear channel surround speaker placement is on a side wall, slightly behind and above the listening position.

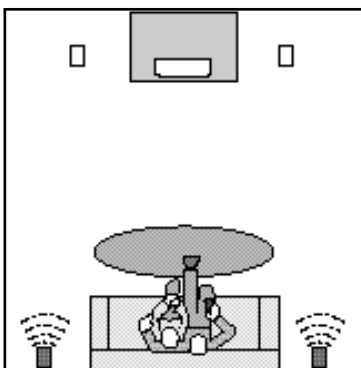
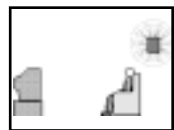
Puede usar los altavoces de la serie R como altavoces posteriores surround en el sistema de cine en casa de Polk Audio. La posición ideal de los altavoces surround de canal posterior es en una pared lateral, ligeramente detrás y por encima del oyente.

Vous pouvez utiliser les enceintes de la Série R pour les canaux ambisoniques d'un système de cinéma maison. Dans ce cas, leur disposition idéale est sur les murs latéraux, légèrement derrière et au dessus du point d'écoute.

Die Lautsprecher der R-Serie können als hintere Surround-Lautsprecher in einem Polk Audio-Heimtheatersystem verwendet werden. Die optimale Position der hinteren Kanal-Surround-Lautsprecher ist an den Seitenwänden etwas hinter und oberhalb der Hörposition.

Si possono adoperare gli altoparlanti Serie R come altoparlanti surround posteriori in un sistema Home Theater Polk Audio. La loro collocazione ideale è su una parete laterale, leggermente dietro e più in alto della posizione di ascolto.

Você pode usar caixas da série R como caixas de surround traseiras em home theaters Polk Audio. O posicionamento ideal do canal surround traseiro é em uma parede lateral, ligeiramente para trás e acima da posição de audição.



**Alternate rear channel surround speaker placement for R Series speakers.**  
If you can not place rear surrounds on the side walls, position them on the rear wall above the listening position.

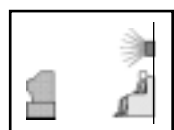
**Colocación alterna de los altavoces surround de canal posterior de la serie R.**  
Si no puede colocar los altavoces surround posteriores en las paredes laterales, colóquelos en la pared de atrás bien por encima del oyente.

**Autre disposition des enceintes de la Série R pour les canaux ambisoniques.**  
Si vous ne pouvez pas installer les enceintes aux murs latéraux, installez-les au mur arrière, au dessus du point d'écoute.

**Alternative Position Kanal-Surround-Lautsprecher für R-Serie.**  
Wenn die hinteren Surround-Lautsprecher nicht an den Seitenwänden positioniert werden können, die Lautsprecher an den hinteren Wand oberhalb der Hörposition aufstellen.

**Collocazione alternativa degli altoparlanti Serie R adoperati come altoparlanti surround del canale posteriore:**  
se non è possibile disporli sulle pareti laterali, collocarli sulla parete posteriore, più in alto della posizione di ascolto.

**Posicionamento alternativo para as caixas acústicas de surround traseiras da série R.**  
Se você não puder posicionar as caixas traseiras surround nas paredes laterais, coloque-as atrás, acima da posição de audição.



## Wall mounting the R15 & R20 Bookshelf Loudspeakers

The R Series Bookshelf Loudspeakers feature a built-in keyhole slot for easy wall mounting. When wall mounting, we recommend using either bare wire or spade lug connections to ensure flush mounting. Follow the steps below to safely wall mount these speakers. Wall mounting requires basic skills with tools such as a drill and a screwdriver. If you are in doubt that you possess the necessary skills or tools, consult your Polk Audio dealer, or a professional installer.

- Make sure the material on which you plan to mount the speakers (plaster, drywall, paneling, stone, etc.) can support the weight of the speakers (R15=approx 9lbs/4kg ea; R20=approx 16lbs/7.25kg ea).
- Make sure the locations you select do not conceal electrical wiring or plumbing.
- Prior to installation, hold the speaker in the chosen location to make sure it safely clears obstacles such as ceiling, adjacent walls, corners, beams, lighting fixtures and door/window frames.
- Each speaker has a keyhole mounting slot on the back panel. The slot appears centered approximately 1 3/4" down from the top of the cabinet, approximately 4" from the left corner of the R20 and 3 3/4" from the left corner of the R15. Use these measurements to

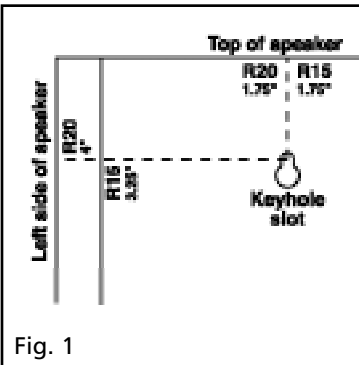


Fig. 1

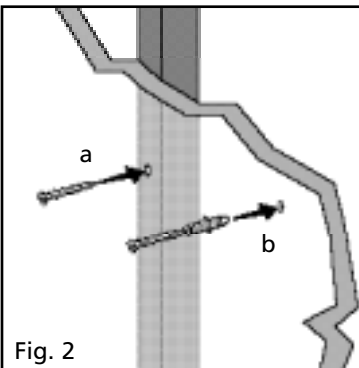


Fig. 2

Use #10 screw for wall stud, use #10 wall anchors & screw for no wall stud.

Use tornillos N° 10 cuando haya paredes internas en la pared, use tornillos y anclas N° 10 cuando no haya paredes internas.

Utilisez des vis #10 pour fixation sur un montant ou, en absence de montant, des vis #10 avec chevilles.

Für Wandpfosten #10 Schrauben verwenden. Falls kein Wandpfosten vorhanden ist, #10 Maueranker und Schrauben verwenden.

Se la parete è di legno, usare viti N. 10, altrimenti usare viti e ancoraggi appositi N. 10.

Utilize um parafuso #10 para viga na parede ou um parafuso #10 com âncora se não houver viga.

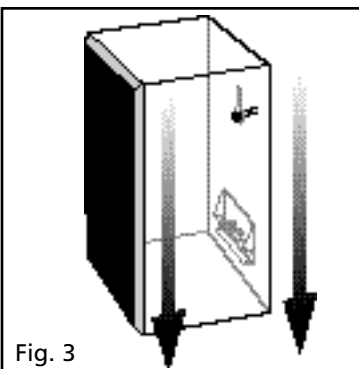


Fig. 3

Slide the speaker down on the screw heads to catch the keyhole slots.

Deslice el altavoz sobre las cabezas de los tornillos para que encajen en las ranuras en forma de ojo de cerradura.

Glissez les enceintes sur les têtes de vis jusqu'à ce que les encoches en trou de serrure s'enclenchent.

Den Lautsprecher mit den Schlüssellochschlitzen auf die Schraubenköpfe setzen und nach unten schieben.

Fare scorrere l'altoparlante verso il basso sulla testa della vite in modo che questa si introduca nell'apposita scanalatura.

Deslize a caixa sobre a cabeça do parafuso até encontrar o furo de encaixe.



Clean cabinets with a damp cloth. Avoid harsh detergents and cleaning fluids. Vacuum grilles to remove dust.

Limpie las cajas con un paño húmedo. Evite los detergentes fuertes y los líquidos de limpieza. Pásele la aspiradora a las rejillas para quitarles el polvo.

Nettoyez les enceintes avec un linge humide. N'utilisez jamais de détergent abrasif ou de nettoyant. Dépoussiérez délicatement les grilles à l'aspirateur.

Die Gehäuse mit einem feuchten Tuch reinigen. Scharfe Reinigungsmittel und -flüssigkeiten vermeiden. Mit einem Staubsauger den Staub von den Abdeckungen entfernen.

Pulire le casse con un panno umido. Non usare né detergenti forti né liquidi per pulizia. Per ripulire le griglie dalla polvere usare un aspirapolvere.

Limpe as caixas com um pano úmido. Evite produtos de limpeza fortes. Passe o aspirador de pó nas telas para remover a poeira.

- mark to your mounting location, being sure to leave approximately 1-2" of clearance above the speaker to compensate for the function of the keyhole slot.
- If you are certain that there is a stud behind the wall surface, drive #10 sheet metal screws (not included) through the wall and into the stud [figure 2a].
- If there is no stud behind the wall at the chosen location, install #10 wall anchors (not supplied) into the wall by following the wall-anchor-manufacturer's instructions. [figure 2b].
- Tighten screws into stud or wall anchors, leaving screw heads protruding 3/8" to 1/2" to leave room for attached wire and ensure that the screw fits into the keyhole slot. The speaker should mount flush to the wall.
- Line up the keyhole slot so that the screw head passes through the large center hole of the slot.
- Let the speaker slide straight down, allowing the screw head to slip behind the smaller end of the keyhole slot [figure 3].
- Tug gently on the speaker to make certain that the speaker is secure.
- If the speaker is not held snug against the wall by the screw heads, remove the speaker from the wall, drive the screws in a little further and then remount the speaker.

## POLK AUDIO LIMITED WARRANTY

Polk Audio, Inc. warrants to the original purchaser only that this Polk Audio Loudspeaker Product (the "Product") will be free from defects in materials and workmanship for a period of five (5) years from the date of original retail purchase from a Polk Audio Authorized Dealer. However, this Warranty will automatically terminate prior to the expiration of the five (5) years if the original retail purchaser sells or otherwise transfers the Product to any other party. The original retail purchaser shall hereinafter be referred to as "you." To allow Polk Audio to offer the best possible warranty service, please fill out the Product Registration Card(s) and send it to the Factory, at the address provided on the Product Cards(s) within ten (10) days of the date of purchase.

Defective Products must be shipped, together with proof of purchase, prepaid insured to the Polk Audio Authorized Dealer from whom you purchased the Product, or to the Factory at 2550 Britannia Boulevard, Suite D, San Diego, California 92154. Products must be shipped in the original shipping container or its equivalent; in any case the risk of loss or damage in transit is to be borne by you. If upon examination at the Factory or Polk Audio Authorized Dealer it is determined that the unit was defective in materials or workmanship at any time during this Warranty period, Polk Audio or the Polk Audio Authorized Dealer will, at its option, repair or replace this Product at no additional charge, except as set forth below. All replaced parts and Products become the property of Polk Audio. Products replaced or repaired under this warranty will be returned to you, within a reasonable time, freight prepaid.

This warranty does not include service or parts to repair damage caused by accident, disaster, misuse, abuse, negligence, inadequate packing or shipping proce-

dures, commercial use, voltage inputs in excess of the rated maximum of the unit, cosmetic appearance of cabinetry not directly attributable to defect in materials or workmanship, or service, repair, or modification of the Product which has not been authorized or approved by Polk Audio. This warranty shall terminate if the Serial number on the Product has been removed, tampered with or defaced.

This warranty is in lieu of all other expressed Warranties. If this Product is defective in materials or workmanship as warranted above, your sole remedy shall be repair or replacement as provided above. In no event will Polk Audio, Inc. be liable to you for any incidental or consequential damages arising out of the use or inability to use the Product, even if Polk Audio, Inc. or a Polk Audio Authorized Dealer has been advised of the possibility of such damages, or for any claim by any other party. Some states do not allow the exclusion or limitation of consequential damages, so the above limitation and exclusion may not apply to you.

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	R15	R20	R30	R50
Driver Complement (all shielded)	1-3/4" (19mm) dome tweeter 1-5/4" (133mm) driver	1-3/4" (19mm) dome tweeter 1-6 1/2" (165mm) driver	1-3/4" (19mm) dome tweeter 1-6 1/2" (165mm) driver	1-3/4" (19mm) dome tweeter 2-6 1/2" (165mm) driver
Overall Freq Response	60Hz - 24Hz	55Hz - 24Hz	45Hz - 24Hz	40Hz - 24Hz
-3dB Limits	65Hz - 20Hz	60Hz - 20Hz	55Hz - 20Hz	50Hz - 20Hz
Recommended Amplification	20 - 100 watts/channel	20 - 100 watts/channel	20 - 100 watts/channel	20 - 150 watts/channel
Sensitivity @1m, 2.83Vrms drive level	89 dB	89 dB	89 dB	90 dB
Impedance	compatible with 8 ohm outputs	compatible with 8 ohm outputs	compatible with 8 ohm outputs	compatible with 8 ohm outputs
Crossover Topology	1st Order High Pass/ 1st Order Low Pass Filter @ 3kHz	2nd Order High Pass/ 1st Order Low Pass Filter @ 3.2kHz	2nd Order High Pass/ 1st Order Low Pass Filter @ 2.8kHz	2nd Order High Pass/ 2nd Order Low Pass Filter @ 2.0kHz
Enclosure Type	Ported	Ported	Ported	Ported
Available Finish	Black Ash Vinyl	Black Ash Vinyl	Black Ash Vinyl	Black Wood Veneer
Dimensions - Cabinet	10 5/8" H x 6 1/2" W x 7 1/4" D 270mmHx165.1mmWx184.2mmD	12 1/2" H x 7 3/4" W x 11 1/16" D 317.5mmHx196.9mmWx290.5mmD	33 3/4" H x 7 3/4" W x 9" D 857.3mmHx196.9mmWx228.6mmD	36 3/4" H x 7 3/4" W x 11 1/16" D 933.5mmHx196.9mmWx290.5mmD
Base			9 1/4" W x 9 1/2" D 235mmWx184.2mmD	9 1/4" W x 11 1/16" D 235mmWx301.6mmD
Shipping Weight	17lbs / 7.7kg (pr)	32lbs. / 14.5kg(pr)	32lbs. / 14.5kg(ea)	40lbs. / 18.1kg(ea)

Polk Audio has been crafting affordable high performance loudspeakers since 1972. They are one of the world's foremost manufacturers of quality home, car & multimedia speakers. Polk Audio's dedication to research & development has resulted in over 45 worldwide patents for innovative loudspeaker technology, and Polk speakers consistently thrill our growing family of satisfied listeners, as well as the worldwide audio press.

Get free information about building the audio system of your dreams, or free information on tweaking your current system for higher performance, at [www.polkaudio.com](http://www.polkaudio.com). Or, call our friendly customer service department toll free 1-800-377-7655 (in the US & Can only, outside the US call 410-358-3600), 9am-6pm EST. Ask for our Home Theater Handbook, or a copy of our annual newspaper, "The Speaker Specialist." They're both free, and chock full of audio information.



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