

RTI*i* SERIES

CS*i*5

CS*i*3

Center Channel Loudspeakers

FX*i*5

FX*i*3

Surround Loudspeakers

**Owner's
Manual**

polkaudio
the speaker specialists®

FEATURES OF THE RTi CENTER & SURROUND LOUDSPEAKERS:

- Acoustically inert 3/4" MDF cabinets, CSi models finished in Cherry wood or Black Oak veneers.
- FXi Surround models available in Black Finish. FXi3 also available in White Finish suitable for painting.
- **Dynamic Balance**® polymer composite drivers for smooth wide-range response with low distortion.
- CSi5 Center Channel Speaker features **Acoustic Resonance Control™ (ARC Port)** technology for more natural midrange reproduction, and **PowerPort** bass venting for superior low distortion bass.
- Drivers feature butyl rubber surrounds for high performance durability.
- Acoustically inert stamped driver baskets.
- 1" dome tweeters with neodymium magnets for clear, detailed highs.
- Anti-diffraction grilles minimize grille diffraction for spacious, 3-dimensional imaging.
- Design-enhanced surround diffusion characteristics on Surround models: triangular cabinets aim drivers and tweeters in opposing directions to produce a more realistically diffuse wavefront and wide, lifelike imaging of surround-sound FX.
- Surround models feature conveniently located bipole/dipole switch for the most flexible placement options and highest performance surround effects.
- Center Channel Speakers are magnetically shielded for safe placement near video sources.
- Mylar bypass capacitors in the crossovers extend high frequency response and improve detail and transparency.
- Gold-plated 5-way binding post inputs (with large diameter holes for large-gauge bare wire connections) for the most secure connections and the most versatile wiring applications, bi-ampable in the CSi5 model.
- Timbre-matched to fit into any Polk Audio home theater or multi-channel music system for a more realistic, more seamless surround sound environment.

SAFE LIMITS OF OPERATION

Your Polk Audio Loudspeakers are constructed of the highest quality materials for years of trouble-free performance. However, damage to loudspeakers can occur when an amplifier, regardless of its wattage, is made to play at higher listening levels than its power can clearly produce. This is usually beyond the "noon or 1 o'clock" position on the volume control. Operation at this level can result in very high levels of audible distortion originating in the amplifier, which can add a harsh, gritty sound to your listening material. If you hear distortion, TURN IT DOWN. Contrary to popular belief, a speaker is more likely to be damaged by trying to get too much volume from a low-powered amplifier or receiver than from a high-powered one.

TECHNICAL ASSISTANCE OR SERVICE

If, after following the hookup directions, you experience difficulty, please double-check all wire connections. Should you isolate the problem to the speaker, contact the authorized Polk Audio dealer where you made your purchase, or contact **Polk Audio Customer Service 800-377-7655** (M-F, 9-6 EST, US & Canada only) or via email **polkcs@polkaudio.com**. Outside the US & Canada, call 410-358-3600.

More detailed information—including audio how-to articles, FAQs, and online manuals—is available on our award-winning website **www.polkaudio.com/home**.

BUY DIRECT FROM POLK AUDIO

We can recommend a slew of audiophile accessories to help you get more performance from your system. For high quality speaker stands that match our speaker finishes, wall-mount brackets, system enhancing accessories, exclusive Polk Audio logowear and more, visit our WebStore: **<http://shop.polkaudio.com>**.

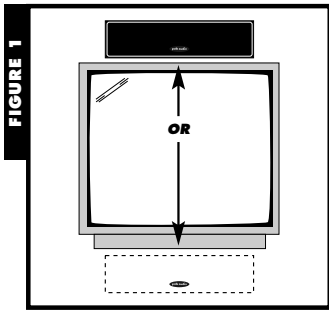


FIGURE 1

Most popular placement, above the TV screen. CSi Series Center Speakers are magnetically shielded for safe placement near TV or video monitors. If you notice video distortion or discoloration, immediately move the speakers away from the video source and call Polk Audio Customer Service 800-377-7655 (US and Canada) or polkcs@polkaudio.com.

La ubicación más común es encima de la pantalla del televisor. Los altavoces centrales de la serie CSi tienen blindaje magnético para poder ubicarlos con seguridad cerca de monitores de televisión o de video. Si nota que hay distorsión o descoloración de la imagen, aleje inmediatamente los altavoces de la fuente de video y comuníquese con el servicio al cliente de Polk Audio: 410-358-3600.

Disposition la plus courante, au-dessus de l'écran. Les enceintes de la série CSi sont blindées magnétiquement et peuvent être disposées à proximité d'une télé ou d'un moniteur vidéo. Si vous percevez de la distorsion ou de la décoloration vidéo, éloignez immédiatement les enceintes de l'écran et communiquez avec le service à la clientèle de Polk: 410-358-3600.

Häufigste Platzierung - über dem Fernsehbildschirm. CSi-Mittellautsprecher sind für eine Platzierung in der Nähe von Fernsehgeräten oder Videomonitoren magnetisch abgeschirmt. Wenn Sie eine Verzerrung oder Verfärbung des Videobildes bemerken, sind die Lautsprecher umgehend von der Videoquelle zu entfernen. Setzen Sie sich in diesem Fall mit dem Kundendienst von Polk Audio in Verbindung: 410-358-3600.

I diffusori acustici per canale centrale della linea CSi hanno altoparlanti con magneti schermati e si possono avvicinare tranquillamente a televisori e monitor: la disposizione più diffusa è quella sopra al televisore. Se notate immagini distorte o alterazioni dei colori, allontanateli subito dal televisore e contattate il nostro Client Care Center: 410-358-3600 o polkcs@polkaudio.com.

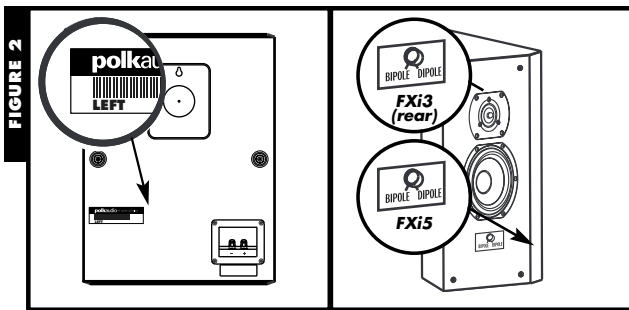


FIGURE 2

Consult serial number label for correct FX speaker orientation. Note location of Bipole/Dipole switch.

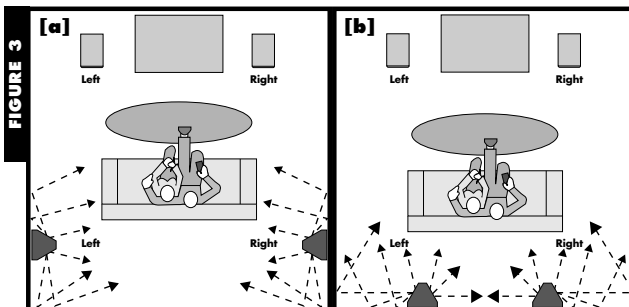
Consulte la etiqueta con el número de serie para orientar correctamente el altavoz.

Pour orienter vos enceintes FXi correctement, consultez l'étiquette du numéro de série (et non celle de l'interrupteur Bipole/Dipole).

Angaben zur ordnungsgemäßen Ausrichtung der Lautsprecher finden Sie auf dem Typenschild mit der Seriennummer.

A sinistra: riferitevi all'etichetta col numero di serie per una disposizione corretta dei diffusori surround FXi.

A destra: note la posizione del selettore dipolo/bipolo.



FIGURES 3a & b

Direct surround effects using BI-POLE mode. Set Surrounds as "small" in your receiver's Bass Management settings.

Efectos de sonido surround directo con modalidad BI-POLE. Asigne la clasificación "pequeño" a los altavoces surround en los parámetros de control de bajas frecuencias de su receptor.

Pour des effets ambiophoniques directionnels, choisissez le mode BI-POLE. Réglez le contrôle "surround" de votre récepteur à "small".

Direkte Surround-Effekte im BIPOL-Modus. Stellen Sie die Surround-Werte der Tiefen auf Ihrem Empfänger auf "klein" ein.

Effetti surround diretti: emissione a BIPÒLO

(a: sulle pareti laterali, b: sulla parete posteriore).

Nella configurazione "BASS MANAGEMENT" scegliete l'impostazione "small" per i diffusori surround FXi.

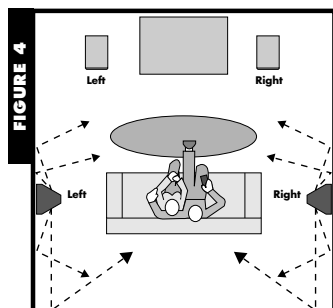


FIGURE 4

Diffuse surround effects using DI-POLE mode. Set Surrounds as "small" in your receiver's Bass Management settings.

Efectos de sonido surround difuso con modalidad DI-POLE. Asigne la clasificación "pequeño" a los altavoces surround en los parámetros de control de bajas frecuencias de su receptor.

Pour des effets ambiophoniques diffus, choisissez le mode DI-POLE. Réglez le contrôle "surround" de votre récepteur à "small".

Surround-Effekte lassen sich im DIPOL-Modus verteilen. Stellen Sie die Surround-Werte der Tiefen auf Ihrem Empfänger auf "klein" ein.

Effetti surround "diffusi": emissione a DIPÒLO dalle pareti laterali (notate che i due diffusori acustici sono quasi allineati con la testa degli ascoltatori, ndt.). Nella configurazione "BASS MANAGEMENT" scegliete l'impostazione "small" per i diffusori surround FXi.

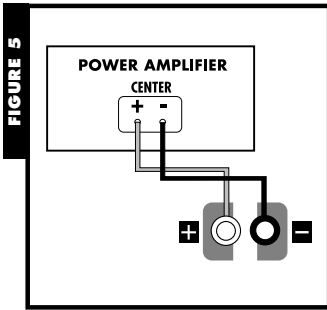


FIGURE 5

Basic Center Speaker hookup diagram. Set Center Channel to "small" in your receiver's Bass Management settings.

Diagrama básico de conexión.

Diagramme de branchement rudimentaire.

Grundlegendes Anschlussdiagramm.

POWER AMPLIFIER = amplificatore finale, integrato, o sintoamplificatore.

Schema di base per il collegamento del diffusore acustico per il canale centrale. Nella configurazione "BASS MANAGEMENT" scegliete l'impostazione "small" per il diffusore centrale.

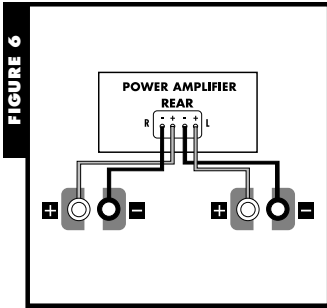


FIGURE 6

Basic Surround FX Speaker hookup diagram. Set Surrounds to "small" in your receiver's Bass Management settings.

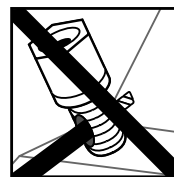
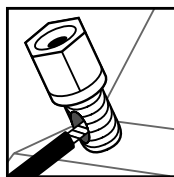
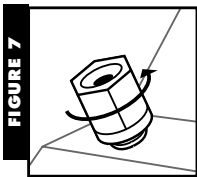
Diagrama básico de conexión.

Diagramme de branchement des enceintes FX ambiophoniques. Réglez le contrôle des canaux ambiophoniques de votre récepteur à "small."

Grundlegendes Anschlussdiagramm.

POWER AMPLIFIER = amplificatore finale, integrato, o sintoamplificatore. REAR = canali posteriori/surround

Schema di base per il collegamento dei diffusori acustici surround FXi. Nella configurazione "BASS MANAGEMENT" scegliete l'impostazione "small" per i diffusori acustici surround.



Loosen hex nut
Desenrosque parcialmente la tuerca hexagonal
Desserrer l'écrou
Sechskantmutter lösen
Allentate il dado esagonale

Insert speaker wire through hole
Inserte el alambre para la bocina en el orificio
Insérer le fil du haut-parleur dans le trou
Lautsprecher-Draht durch das Loch schieben
Inserite nel foro i conduttori del cavo per altoparlanti

Tighten hex nut
Enrosque la tuerca de nuevo
Serrer l'écrou
Sechskantmutter festschrauben
Stringete il dado esagonale

Do not insert insulated section of speaker wire
No inserte alambre con material aislante
Ne pas insérer la partie isolée du fil du haut-parleur
Isolation des Lautsprecher-Drahtes nicht in das Loch schieben
Non inserite nel foro una porzione di cavo isolato

FIGURE 7

Using binding post connections.

Uso de conexiones con tornillos de presión.

Utilisation des bornes de branchement.

Verwendung von Anschlussklemmen.

Uso dei morsetti a vite.

To use Banana Plugs (US only):

Carefully pry out the binding post plugs to expose banana plug holes.

(This is for US owners only.)

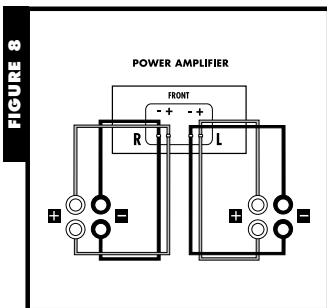


FIGURE 8

For CSi5 only. Bi-wiring, or using separate speaker wire connections for high and low frequency sections on CSi5 only. Remove flat metal jumpers.

Bicableado, o uso de conexiones de cables de altavoz separadas para las secciones de alta y baja frecuencia. (CSi5: Quita jerseys planos de metal.)

Bi-câblage: l'utilisation de câbles distincts pour brancher les composantes des hautes et des basses fréquences de vos enceintes. (CSi5: Enlever des cavaliers en métal plats.)

Verwendung von unterschiedlichen Kabelverbindungen für hohe und niedrige Frequenzen. (CSi5: Nehmen Sie flache Metallschalldrähte Heraus.)

POWER AMPLIFIER = amplificatore finale, integrato, o sintoamplificatore.

Schema di collegamento mediante due cavi separati ("bi-wiring"): ciascuna delle due sezioni, passa-alto (alte frequenze) e passa-basso (basse frequenze), del filtro d'incrocio del CSi40 è collegata all'amplificatore mediante un cavo dedicato. (CSi5: Togliere i maglioni di metallo piatti.)

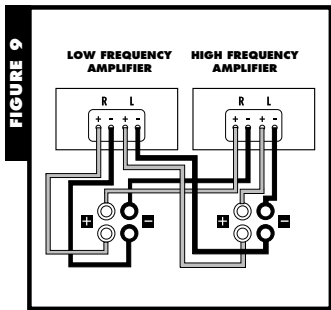


FIGURE 9

For CSi5 only. Bi-amping, or using separate amplifiers for the low and high frequency sections of your speakers, on CSi5 only. Remove flat metal jumpers.

Bi-amplificación, o uso de amplificadores separados para las secciones de baja y alta frecuencia de los altavoces (CSi5).

Bi-amplification: l'utilisation d'amplis distincts pour alimenter les composantes des hautes et des basses fréquences de vos enceintes (CSi5).

Verwendung von unterschiedlichen Verstärkern für niedrige und hohe Frequenzen der Lautsprecher.

LOW FREQ. AMPLIFIER = amplificatore finale per la sezione bassi

HIGH FREQ. AMPLIFIER = amplificatore finale per la sezione alti

Schema di collegamento a due amplificatori separati ("bi-amping," doppia amplificazione): uno dedicato alla sezione passa-alto (alte frequenze), l'altro a quella passa-basso (basse frequenze) del filtro d'incrocio. Notate che i morsetti superiori del diffusore acustico appartengono alla sezione alte frequenze del filtro (ndt.) (CSi5).

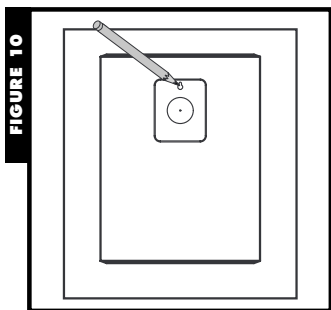


FIGURE 10

Use template to mark mounting location.

Use la plantilla para marcar la ubicación de montaje.

Utilisez le gabarit pour marquer le lieu de fixation.

Verwenden Sie die Schablone zur Markierung der Befestigungsstelle.

Usate la dima per segnare il punto d'installazione.

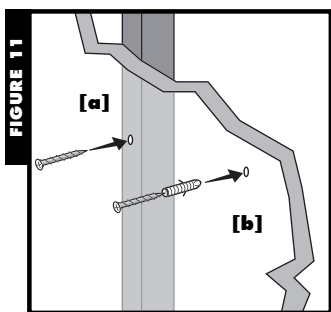


FIGURE 11a & 11b

Use #10 screw for wall stud (11a), use #10 wall anchors + screw for no wall stud (11b).

Use un tornillo n° 10 si hay parales internos en la pared, use anclas de pared n° 10 y un tornillo si no hay.

Utilisez des vis #10 pour fixation sur montant ou des chevilles d'ancrage #10 avec vis s'il n'y a pas de montant.

Verwenden Sie eine Schraube (Nr. 10) für Wände mit Holzstielverstärkung bzw. Dübel und Schrauben (Nr. 10) für Wände ohne Holzstielverstärkung.

In corrispondenza di un montante (a) usate viti n. 10, altrimenti (b) tasselli e viti n. 10.

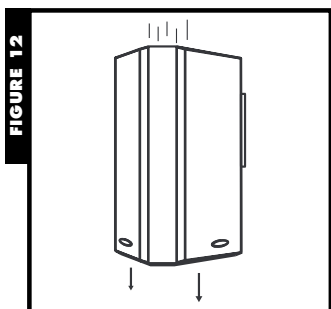


FIGURE 12

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

Deslice el altavoz hacia abajo sobre las cabezas de los tornillos para que entren en las ranuras en forma de cerradura.

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

Schieben Sie den Lautsprecher auf die Schraubköpfe herunter, so dass sie in den Ritzen einrastet.

Fate scivolare verso il basso il diffusore acustico, in modo tale che le feritoie si aggancino alle teste delle viti.

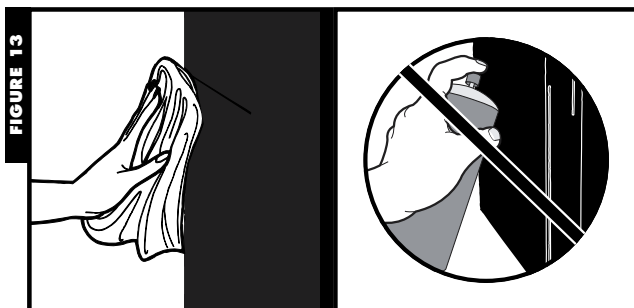


FIGURE 13

Clean veneer with a damp cloth. Do not use furniture polish on veneer.

Cuidado del acabado de madera natural.

Entretien de la finition en bois véritable.

Pflege der Holzappretur.

Non impiegate prodotti lucidanti per mobili sulla finitura, ma spolveratela soltanto con un panno umido.

SPECIFICATIONS

CSi5

DRIVER COMPLEMENT:

2 - 6 1/2"(16.5cm) drivers
1 - 1"(2.5cm) tweeter

OVERALL**FREQUENCY RESPONSE:**

45Hz-27kHz

-3dB LIMITS:

55Hz-26kHz

RECOMMENDED**AMPLIFICATION:**

20-200 watts/channel

EFFICIENCY (1 M, 2.83 VRMS):

90dB

IMPEDANCE:

Compatible with 8 Ohm Outputs

CROSSOVER FREQUENCY:

2.2kHz

CROSSOVER SLOPE:

mid bass LP: 12dB/octave (cascaded)
tweeter HP: 12dB/octave

ENCLOSURE TYPE:

vented with dual rear PowerPort
and single ARC Port

AVAILABLE FINISH:

Black Oak and Cherry Veneer

DIMENSIONS**(INCLUDES GRILLE + POWERPORT):**

7 1/2"H x 24"W x 14 1/2"D
(19.1cmH x 61cmW x 36.8cmD)

SHIPPING WEIGHT:

29 lbs (13.2kg) each

CSi3

DRIVER COMPLEMENT:

2 - 5 1/4"(13.3cm) drivers
1 - 1"(2.5cm) tweeter

OVERALL**FREQUENCY RESPONSE:**

55Hz-27kHz

-3dB LIMITS:

65Hz-26kHz

RECOMMENDED**AMPLIFICATION:**

20-180 watts/channel

EFFICIENCY (1M, 1W):

89dB

IMPEDANCE:

Compatible with 8 Ohm Outputs

CROSSOVER FREQUENCY:

1.75kHz

CROSSOVER SLOPE:

mid bass LP: 12dB/octave
tweeter HP: 12dB/octave

ENCLOSURE TYPE:

vented (single front baffle port)

AVAILABLE FINISH:

Black Oak and Cherry Veneer

DIMENSIONS**(INCLUDES GRILLE + POWERPORT):**

6 7/8"H x 20"W x 9 1/4"D
(17.5cmH x 50.8cmW x 23.5cmD)

SHIPPING WEIGHT:

20 lbs (9.1kg) each

FXi5

DRIVER COMPLEMENT:

1 - 6 1/2"(16.5cm) driver
2 - 1"(2.5cm) tweeters

OVERALL**FREQUENCY RESPONSE:**

45Hz-27kHz

-3dB LIMITS:

55Hz-26kHz

RECOMMENDED**AMPLIFICATION:**

20-125 watts/channel

EFFICIENCY (1M, 1W):

89dB

IMPEDANCE:

Compatible with 8 Ohm Outputs

CROSSOVER FREQUENCY:

2.3kHz

CROSSOVER SLOPE:

mid bass LP: 12dB/octave
tweeter HP: 12dB/octave

ENCLOSURE TYPE:

vented with single port

AVAILABLE FINISH:

Black

DIMENSIONS**(INCLUDES GRILLE + POWERPORT):**

14 3/4"H x 12 1/2"W x 8 3/8"D
(37.5cmH x 31.8cmW x 21.3cmD)

SHIPPING WEIGHT:

35 lbs (15.9kg) pair

FXi3

DRIVER COMPLEMENT:

1 - 5 1/4"(13.3cm) driver
2 - 1"(2.5cm) tweeters

OVERALL**FREQUENCY RESPONSE:**

50Hz-27kHz

-3dB LIMITS:

60Hz-26kHz

RECOMMENDED**AMPLIFICATION:**

20-150 watts/channel

EFFICIENCY (1M, 1W):

88dB

IMPEDANCE:

Compatible with 8 Ohm Outputs

CROSSOVER FREQUENCY:

2.0kHz

CROSSOVER SLOPE:

mid bass LP: 12dB/octave
tweeter HP: 12dB/octave

ENCLOSURE TYPE:

vented with single port

AVAILABLE FINISH:

Black and White

DIMENSIONS**(INCLUDES GRILLE + POWERPORT):**

12"H x 11"W x 7 3/8"D
(30.5cmH x 27.9cmW x 18.7cmD)

SHIPPING WEIGHT:

24 lbs (10.9kg) pair

All specifications subject to change.

LIMITED FIVE YEAR WARRANTY

Polk Audio, Inc., warrants to the original retail purchaser only. This warranty will terminate automatically prior to its stated expiration if the original retail purchaser sells or transfers the Product to any other party.

Polk Audio, Inc., warrants, to the original retail purchaser only, that the LOUDSPEAKER(S), PASSIVE CROSSOVER COMPONENT(S) and ENCLOSURE on this Polk Audio Loudspeaker Product will be free from defects in material and workmanship for a period of five (5) years from the date of original retail purchase from a Polk Audio Authorized Dealer.

Furthermore, Polk Audio, Inc., warrants, to the original retail purchaser only, that any AMPLIFIER OR OTHER ELECTRONIC COMPONENT that may be included in this Polk Audio Loudspeaker Product will be free from defects in material and workmanship for a period of three (3) years from the date of original retail purchase from a Polk Audio Authorized Dealer.

To allow Polk Audio to offer the best possible warranty service, please register your new product online at: www.polkaudio.com/registration or call Polk customer service 800-377-7655 in the USA and Canada (outside the USA: 410-358-3600) within ten (10) days of the date of original purchase. Be sure to keep your original purchase receipt.

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 procedures, 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.

All implied warranties on this Product are limited to the duration of this expressed Warranty. Some states do not allow limitation on how long an implied Warranty lasts, so the above limitations may not apply to you. This Warranty gives you specific legal rights, and you also may have other rights which vary from state to state.

This Warranty applies only to Products purchased in Canada, the United States of America, its possessions, and U.S. and NATO armed forces exchanges and audio clubs.

The Warranty terms and conditions applicable to Products purchased in other countries are available from the Polk Audio Authorized Distributors in such countries.

polkaudio
the speaker specialists®

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