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***F/X® Wireless Surround®***  
Wireless Surround Speaker System

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**OWNER'S MANUAL**

**DRAFT**



## English

### IMPORTANT SAFETY INSTRUCTIONS READ BEFORE OPERATING 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 dry cloth.
7. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. Do not defeat the safety purpose of the polarized or grounding-type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wide blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. Protect the power cord from being walked on or pinched particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
11. Only use attachments/accessories specified by the manufacturer.
12. 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.
13. Unplug this apparatus during lightning storms or when unused for long periods of time.
14. Refer all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, 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.
15. **WARNING:** To reduce the risk of fire or electric shock, this apparatus should not be exposed to rain or moisture and objects filled with liquids, such as vases, should not be placed on this apparatus.
16. To completely disconnect this equipment from the mains, disconnect the power supply cord plug from the receptacle.
17. The main plug of the power supply cord shall remain readily operable.

### WARNING: Listen Carefully

Polk Audio loudspeakers and subwoofers are capable of playing at extremely high volume levels, which could cause serious or permanent hearing damage. Polk Audio, Inc. accepts no liability for hearing loss, bodily injury or property damage resulting from the misuse of its products. Keep these guidelines in mind and always use your own good judgment when controlling volume: You should limit prolonged exposure to volumes that exceed 85 decibels(dB).

For more about safe volume levels refer to the Occupational Health and Safety Administration (OSHA) guidelines at [www.osha.gov/dts/osta/otm/noise/standards\\_more.html](http://www.osha.gov/dts/osta/otm/noise/standards_more.html).

### PRODUCT DISPOSAL



Certain international, national and/or local laws and/or regulations may apply regarding the disposal of this product. For further detailed information, please contact the retailer where you purchased this product or the Polk Audio Importer/ Distributor in your country.

A listing of Polk Audio Importer/ Distributors can be found on the Polk Audio website [www.polkaudio.com](http://www.polkaudio.com) or by contacting Polk Audio at: 5601 Metro Drive, Baltimore, Maryland 21215, USA Phone: +1 410 358-3600.

### 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, 9am-6pm EST, US & Canada only) or via email [polkcs@polkaudio.com](mailto:polkcs@polkaudio.com). Outside the US & Canada, call 410-358-3600. More detailed information including audio how-to articles, FAQs and online manuals are available on our award-winning website: [www.polkaudio.com](http://www.polkaudio.com).

### IC WARNING

Operation is subject to the following two conditions:

- (1) this device may not cause interference, and
- (2) this device must accept any interference, including interference that may cause undesired operation of the device."

To reduce potential radio interference to other users, the antenna type and its gain should be so chosen that the equivalent isotropic ally radiated power (e.i.r.p.) is not more than that permitted for successful communication.

The **CAUTION** marks shown here are located on the back of your F/X Wireless Surround.



**CAUTION:** To prevent electric shock, match wide blade of plug to wide slot, insert fully.



**CAUTION:** No naked flame sources, such as candles, should be placed on the apparatus.

### Class B Emissions Limits

This Class B digital apparatus meets all requirements of the Canadian Interference—Causing Equipment Regulations.

### NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy, and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

### FCC WARNING STATEMENT FCC NOTE:

THE MANUFACTURER IS NOT RESPONSIBLE FOR ANY RADIO OR TV INTERFERENCE CAUSED BY UNAUTHORIZED MODIFICATIONS TO THIS EQUIPMENT. SUCH MODIFICATIONS COULD VOID THE USER'S AUTHORITY TO OPERATE THE EQUIPMENT.

### FCC Radiation Exposure Statement

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body

## FIRST THINGS FIRST

**Caution:** Exercise caution when unpacking your Polk Audio F/X Wireless Surround.

**Please check to ensure you have everything in your carton. Inside, you should find:**

- F/X Wireless Surround Loudspeaker
- 2.4GHz Transmitter
- Two 5' RCA Wires
- Power Supply for Transmitter
- Power Supply for Loudspeaker
- Owner's Manual
- Transmitter Wall Mount Template
- Online Registration Card

If anything is missing or damaged, or if your Polk Audio F/X Wireless Surround fails to operate, please notify your dealer immediately. We recommend keeping your original carton and packing materials in case you need to ship the unit in the future.

## WHERE TO LOCATE YOUR F/X WIRELESS SURROUND FOR THE BEST SOUND

Place your F/X Wireless Surround in one of three different locations in your room (on the floor, on a table or on an elevated open shelf) and **up to 30' (10 meters) from the loudspeaker's transmitter:**

**We do recommend placing your F/X Wireless Surround in different locations within your room to learn which location produces the best sound quality based upon your listening preferences.**

**Important Note:** Whichever location you choose, ensure the room location switch on the amplifier plate located on the bottom of loudspeaker is set to the appropriate position: "floor," "table" or "shelf." The only wire that plugs into the F/X Wireless Surround is the power cord, which you plug into an AC outlet.

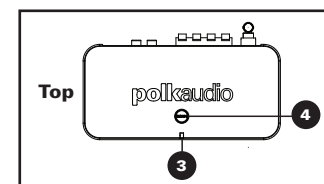
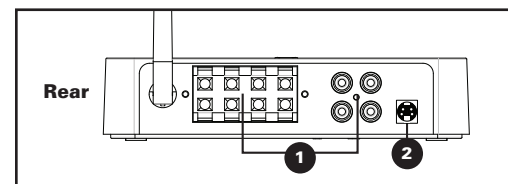
## Specifications

Dimensions	8 1/8" H x 19 1/2" W x 7 3/4" D 206.38mm H x 495.3mm W x 195.85mm D
System Power	100 Watts
Loudspeaker Weight	18 lbs (8.16kg)
Speaker Compliment	4 - 2 1/2" CDA Drivers 1 - 5 1/4" Woofer

## Transmitter Hookups

Once you have decided on a location for your loudspeaker, hook up the transmitter to either your receiver or pre-amp.

Follow the Quickstart Guide at the front of this manual for hookup instructions. Or you may refer to the hookup schematics on page 9.



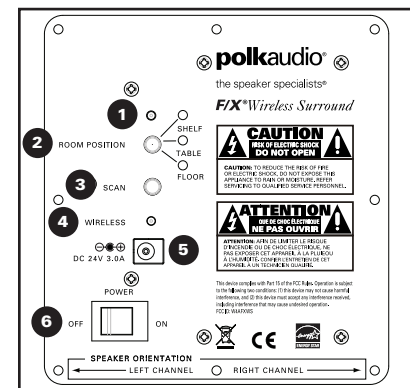
## Transmitter Inputs

- 1 Audio Inputs**—Speaker Level and Line Level. This is where you connect your transmitter to your receiver or pre-amp. You may make either speaker level or line level connections, but never make both connections at the same time. The speaker level inputs are the default input mode
- 2 Power Connection**—The transmitter power supply is connected here.

- 3 Power LED**—Shines blue to indicate the transmitter is active and connected successfully to the receiver. Shines red to indicate the transmitter and loudspeaker have failed to establish a wireless connection.
- 4 Scan**—Push this button should it become necessary to re-establish the communication link between the transmitter and loudspeaker.

## F/X Wireless Surround Controls

- 1 Power LED**—Shines blue when the speaker is on, red when in stand-by.
- 2 Room Position Button**—This button sets the equalization for the F/X Wireless Surround based on its location, either on the floor, on a table or on a shelf. An LED indicates which location is chosen.
- 3 Scan**—Push this button should it become necessary to re-establish the "communication" link between the transmitter and the loudspeaker.
- 4 Wireless LED**—Shines blue to indicate the transmitter and loudspeaker are connected wirelessly. Flashes blue/red when loudspeaker and transmitter are connecting and shines red when loudspeaker and transmitter are not connected.



- 5 Power Connection**—The loudspeaker power supply is connected here.
- 6 AC Mains**—The AC Mains Switch turns the loudspeaker on and off, though you may leave the switch turned on all the time.

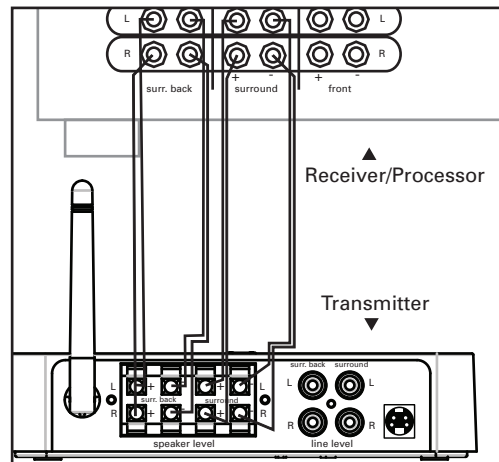
## CONNECTING YOUR F/X WIRELESS SURROUND TRANSMITTER

**IMPORTANT NOTE:** WHILE THE F/X WIRELESS SURROUND CAN BE CONNECTED USING EITHER LINE LEVEL OR SPEAKER LEVEL HOOKUPS, WE RECOMMEND USING THE SPEAKER LEVEL INPUTS.

**NOTE:** USE ONLY ONE OF THESE OPTIONS. NEVER COMBINE HOOKUP OPTIONS.

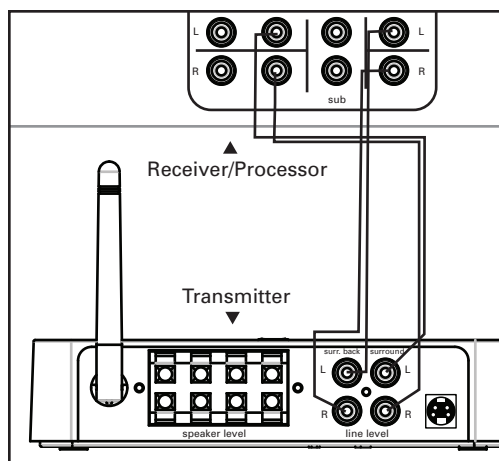
### OPTION #1 Speaker Level Connections

- Connect the transmitter's left and right Surround and Surround Back inputs directly to the corresponding left and right Surround and Surround Back outputs on your receiver/processor
- Adjust your receiver's speaker configurations as follows:  
Surrounds and Surround Back = SMALL



### OPTION #2 Line Level Connections

- Using the supplied RCA cables, connect the left and right Surround and Surround Back outputs on your receiver to the corresponding left and right Surround and Surround Back inputs on the transmitter.
- Adjust your receiver's speaker configurations as follows:  
Surrounds and Surround back = SMALL



## 5.1 AND 7.1 CHANNEL CONNECTION OPTIONS

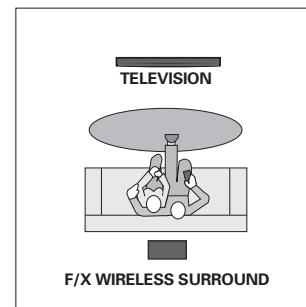
Depending on your home theater receiver/processor, you will either be using a 5.1 or 7.1 channel hookup. If you have a 5.1 receiver, connect the left and right Surround channels to your F/X Wireless Surround. If you are using a 7.1 channel receiver connect both the left and right Surround Back, and the left and right Surround channels.

## SETTING UP YOUR F/X WIRELESS SURROUND

### F/X Wireless Surround Position setting:

Your F/X Wireless Surround can provide a credible multi-channel surround experience from a range of placement locations within the media space but should optimally be placed behind the seating area. Choose FLOOR, TABLE (ear height of +/- 2 feet) or SHELF (2 feet or more above ear height) in accordance with the vertical placement of the loudspeaker cabinet.

Due to the special nature of its complex radiation pattern, the top surface of the loudspeaker cabinet should be unobstructed and facing towards the ceiling. The long axis of the cabinet should be parallel to the long dimension of your home theater's video screen and centered behind the listening area



### IMPORTANT NOTE:

#### Manual vs. Automated Loudspeaker Setup

Many new home theater receivers and preamp/processors feature automated setup systems such as Audyssey® MultEQ. Due to the special nature of the F/X Wireless Surround's operating principles, we strongly recommend not using an automated speaker calibration system for Surround and Surround Back channel loudspeakers.

### Follow The Instructions Below To Set Up Your F/X Wireless Surround Manually.

#### Gain:

For optimal performance, channel level settings on Dolby Digital receivers/surround-sound processors for the (lateral) Surround and Surround Back channels should match each other.

1. Surround Channel gain should be set so that the sound level in the seating area matches or slightly exceeds the sound levels of the front channels.
2. Surround Back should be set to match the gain setting so determined for the Surround Channels.

Example: If +3dB is the appropriate channel level to achieve Surround Channel sound levels that match the Front channels, then Surround Back channel level should also be set to +3dB.

## SET UP (continued)

### Distance To Listener:

"Distance" settings govern channel delay for optimal performance from Dolby Digital 5.1 and 7.1 sources. For the F/X Wireless Surround, you need to determine the actual distance from the listening area to the loudspeaker cabinet and approximate room dimensions.

For symmetrical rooms, whereby the distance between the loudspeaker cabinet and major reflecting surfaces (particularly side walls) are approximately equal, the distance setting for the Surround channels may be computed as follows:

- Distance = actual distance of speaker behind the listening area and approximate width of the listening area
- The distance setting for Surround Back channels should simply match the actual distance of the loudspeaker from the listening area.

### Example:

The F/X Wireless Surround is placed 4 feet behind the seating area in a 20-foot wide room. Set the Surround Right and Surround Left distance to 40ms (milliseconds)

### Symmetrical Room: Surround Right and Surround Left Speaker distance (Figure A)

#### Speaker Time Delay In Milliseconds

Distance of speaker behind listening area (ft)

Room Width (ft)	Distance of speaker behind listening area (ft)						
	2	3	4	6	8	10	15
10	30	30	31	32	33	34	38
12	32	32	33	33	34	36	39
15	35	35	36	36	37	38	41
20	40	40	40	41	42	42	45
25	45	45	45	46	46	47	49

### For Non-Symmetrical Arrangements (Figure B)

To determine distance settings in an asymmetrical room, subtract the distance of the loudspeaker from the closest wall (B) from the farthest (A), and then divide that number by two. EX:  $\frac{(A-B)}{2}$

2

Figure A

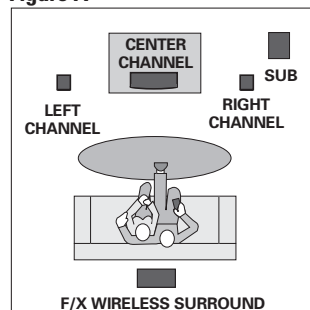
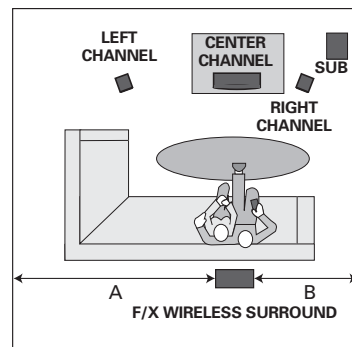


Figure B



## TROUBLESHOOTING

Loudspeaker does not power on.

- Ensure the loudspeaker is plugged into a live wall outlet.
- Ensure the rear panel power switch is in the "On" position.

No sound from loudspeaker.

- Push the SCAN button to reset the "communications" link between the transmitter and the loudspeaker.
- Turn up the volume control of the individual channels through your receiver.
- Make sure the transmitter is plugged into a live wall outlet

The loudspeaker's sound is intermittent, sounds weak or is distorted.

- Turn off and unplug the transmitter and the loudspeaker. Then turn on the loudspeaker and plug in the transmitter.
- Push the SCAN button on the transmitter and loudspeaker sequentially to reset the "communications" link between the transmitter and the loudspeaker.
- The loudspeaker could be too far away from the transmitter to receive a sufficiently strong signal. Try moving it closer.

## TECHNICAL ASSISTANCE AND SERVICE

If, after following these hookup directions, you experience difficulty, please double-check all wire connections. Should you isolate the problem to the loudspeaker, contact the authorized Polk Audio dealer where you made your purchase, or call Polk Audio's friendly Customer Service Department at: 1-800-377-7655 (calls from US or CAN only), 410-358-3600 9am to 6pm EST, Monday through Friday.

You may also contact us via email: [polkcs@polkaudio.com](mailto:polkcs@polkaudio.com). For more detailed hookup information and manual updates, visit: [www.polkaudio.com](http://www.polkaudio.com).

Specifications can be found on the **F/X Wireless Surround web pages**. Go to [www.polkaudio.com](http://www.polkaudio.com).

### A Note Regarding Wireless Performance:

Like all wireless devices, your F/X Wireless Surround may be susceptible to RF interference from such sources as microwave ovens, WiFi computer systems, video game systems, cordless telephones, blue tooth systems, baby monitors and other devices. In particular, any devices operating in the 2.4GHz band may cause intermittent wireless connections between the F/X Wireless Surround. It is also possible that your F/X Wireless Surround may affect other wireless systems. For the most part, you can avoid wireless performance problems by physically separating these devices from your F/X Wireless Surround. Maintaining a distance of several feet or more between your F/X Wireless Surround speaker and any wireless device should prevent any mutual interference effects. If you do notice any subwoofer signal dropouts take care to identify the root cause (most commonly having other wireless devices too close) and resolve accordingly. Any interference effects from a microwave oven will cease once the oven stops operating and may be resolved on a long-term basis by increasing the physical distance between your F/X Wireless Surround and the microwave oven.

## LIMITED 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](http://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 1 Viper Way Vista, CA 92081. 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. 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.

If this Product is defective in materials or workmanship as warranted above, your sole remedy shall be repair or replacement as provided above. This warranty does not cover service, parts, or supplies to repair damage to property other than the Product. In no event will Polk Audio, Inc. be liable to you for any incidental or consequential damages arising out of the use or in-ability 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 incidental or consequential damages, so the above limitation and exclusion may not apply to you.

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.

## GARANTIE LIMITÉE

La garantie de Polk Audio, Inc., n'est valide que pour l'acheteur au détail original. La garantie sera automatiquement annulée avant sa date d'expiration spécifiée si l'acheteur original vend ou transfère le produit à tout autre parti.

Polk Audio, Inc., garantit - à l'acheteur au détail original seulement - que le ou les HAUT-PARLEUR(S), COMPOSANTE(S) DE FILTRE PASSIF et CAISSON(S) de ce produit Polk Audio seront exempts de tout défaut attribuable aux pièces d'origine et à la main d'œuvre pour une période de cinq (5) ans à partir de la date de l'achat au détail original chez un revendeur agréé Polk Audio.

En outre, Polk Audio, Inc., garantit - à l'acheteur au détail original seulement - que TOUT AMPLIFICATEUR OU TOUT AUTRE COMPOSANTE ÉLECTRONIQUE qui pourrait faire partie ce produit Polk Audio sera exempt de tout défaut attribuable aux pièces d'origine et à la main d'œuvre pour une période de trois (3) ans à partir de la date de l'achat au détail original chez un revendeur agréé Polk Audio.

Pour permettre à Polk Audio de vous offrir le meilleur service de garantie possible, veuillez enregistrer votre nouveau produit en ligne à l'adresse web [www.polkaudio.com/registration](http://www.polkaudio.com/registration) - ou contactez le Service à la Clientèle de Polk au 800-377-7655 aux États-Unis et au Canada (à l'extérieur des É.U.: 410-358-3600) dans les dix (10) jours suivant la date de l'achat original. Assurez-vous de conserver votre reçu d'achat original.

Les produits défectueux doivent être expédiés, avec une preuve d'achat, francs de port et assurés, au revendeur agréé Polk Audio de qui vous avez acheté le produit, ou à l'usine Polk Audio, 1 Viper Way Vista, CA 92081.

Les produits doivent être expédiés dans leur carton d'expédition original ou dans un contenant équivalent. Le propriétaire doit assumer tout risque de perte ou de dommage en transit.

Si, suite à l'examen du produit à l'usine Polk ou chez le marchand agréé Polk Audio, il est déterminé que la défectuosité est imputable aux matériaux d'origine ou à la main d'œuvre au cours de la période de la garantie spécifiée, Polk Audio ou le revendeur Polk Audio, à sa guise, réparera ou remplacera le produit sans frais additionnels et selon les conditions décrites ci-dessous.

Toute pièce ou produit remplacé devient la propriété de Polk Audio. Les produits réparés ou remplacés sous la garantie vous seront expédiés francs de port dans un délai raisonnable.

Cette garantie n'inclut pas le service ou les pièces nécessaires à la réparation des dommages provoqués par accident, désastre, abus, négligence, mode d'expédition ou emballage inadéquat, utilisation commerciale, tensions supérieures au maximum prescrit pour l'unité, aspect visuel du meuble non directement attribuable à un défaut de pièces d'origine ou de main d'œuvre, ou par le service, la réparation, ou toute modification du produit qui n'a pas été autorisé ou approuvé par Polk Audio. Cette garantie sera annulée si le numéro de série sur le produit a été enlevé, altéré ou falsifié.

Cette garantie prend préséance sur toutes autres garanties énoncées. Si la défectuosité de ce produit est imputable aux pièces d'origine ou à la main d'œuvre selon les conditions de la garantie exprimées ci-dessus, votre seul recours sera la réparation ou le remplacement selon les conditions décrites ci-dessus.

Dans aucun cas Polk Audio, Inc. pourra-t-elle être tenue responsable pour tout dommage accessoire ou indirect cause par l'utilisation ou par l'incapacité d'utilisation du produit, même si Polk Audio, Inc. ou un revendeur agréé Polk Audio, a été avisé de la possibilité de tel dommage, ou pour toute réclamation par tout autre parti.

Certains états ne permettant pas l'exclusion ou la limitation des dommages indirects, les limitations et exclusions exprimées ci-dessus pourraient ne pas s'appliquer dans votre cas.

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