



**8900 Keystone Crossing, Suite 1220  
Indianapolis, Indiana 46240  
1-800-KLIPSCH • [www.klipsch.com](http://www.klipsch.com)**

Make sure you return your warranty card so that we may keep you up-to-date on new Klipsch products and promotions. As always, if you have any questions, contact your local authorized Klipsch dealer.

For your records:

\_\_\_\_\_

Model

\_\_\_\_\_

Serial Number

\_\_\_\_\_

Date Purchased

\_\_\_\_\_

Dealer Name

**Klipsch, L.I.C.  
P.O. Box 688  
Hope, AR 71802**

Place  
FIRST CLASS  
Postage  
Stamp Here

RB-5, RC-3, RS-3, RF-3, RP-3, RP-5



## Owner's Manual & Warranty

 **Klipsch**<sup>®</sup> INC.  
A LEGEND IN SOUND.

KLIPSCH REFERENCE SERIES™



## CAUTION: RISK OF ELECTRIC SHOCK! DO NOT OPEN!



**CAUTION!** To reduce the risk of electric shock and fire, do not remove the cover or back plate of this device. There are no user-serviceable parts inside. Refer repairs to a Klipsch authorized service center.  
**AVIS: Risque de choc électrique, ne pas ouvrir.**



**CAUTION!** The international symbol of a lightning bolt inside a triangle is intended to caution you to uninsulated “dangerous voltage” within the device’s enclosure. The international symbol of an exclamation point inside a triangle is intended to alert you to the presence of important operating, maintenance and servicing information in the manual accompanying the device.



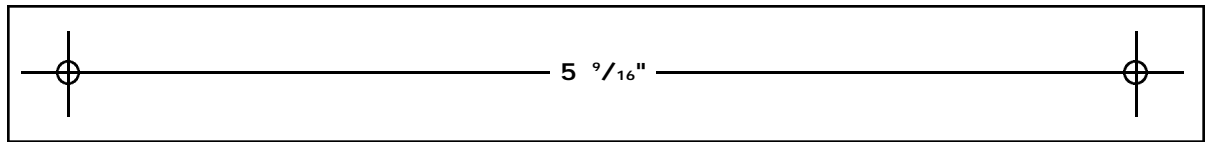
**CAUTION!** To prevent electrical shock, match the wide blade of the plug on the power cord to the wide slot on the power outlet and insert fully. **ATTENTION: Pour éviter les chocs électriques, introduire la lame la plus large de la fiche dans la borne correspondante de la prise et pousser jusqu'au fond.**



**CAUTION!** To reduce the risk of electrical shock, do not expose this equipment to rain or moisture.

1. **Read Instructions.** All safety and operating instructions should be read before operating the device.
2. **Retain Instructions.** The safety and operating instructions should be retained for future reference.
3. **Heed Warnings.** All warnings on the device and in the operating instructions should be adhered to.
4. **Follow Instructions.** All operating and safety instructions should be followed.
5. **Water and Moisture.** The device should never be used in, on or near water due to risk of fatal shock.
6. **Carts and Stands.** The device should only be used on carts or stands recommended by the manufacturer.
7. **Wall and Ceiling Mounting.** The device should be mounted on a wall or ceiling only as recommended by the manufacturer.
8. **Ventilation.** The device should always be located in such a way that it maintains proper ventilation. It should never be placed in a built-in installation or anywhere that may impede the flow of air through its heat sink or ventilation openings.
9. **Heat.** Never locate the device near heat sources such as a radiator, floor register, stove or other heat generating device.
10. **Power Supply.** The device should only be connected to a power supply of the type described in the operating instructions or as marked on the device.
11. **Polarization.** This product is equipped with a polarized line plug that has one blade wider than the other. To prevent electrical shock, match the wide blade of the plug with the wide blade slot of the receptacle and insert fully.
12. **Power Cord Protection.** Power cables should be routed so they are unlikely to be stepped on or crushed by items placed on or against them. Pay special attention to where the plug enters a socket or fused strip and to where the cord enters the device.
13. **Cleaning.** The device should be cleaned in accordance with the manufacturer’s instructions.
14. **Periods of Non-Use.** The device should be unplugged from the wall outlet when it is not in use for extended periods.

# Reference Series Wall Mount Hole Marking Template



Cut along dotted line and mail.

IF YOU PREFER, YOU CAN REGISTER ONLINE AT [WWW.KLIPSCH.COM](http://WWW.KLIPSCH.COM)

*For multiple speaker purchases, please fill out only one warranty card.*

**Name:** \_\_\_\_\_

**Street Address:** \_\_\_\_\_

**City/State/Zip:** \_\_\_\_\_

**Home Phone:** \_\_\_\_\_

**Work Phone:** \_\_\_\_\_

**E-mail Address:** \_\_\_\_\_

**Would you like to receive the latest product updates and news via e-mail?**  Yes  No

### ***Product Purchase***

Model and serial number must be included to honor your warranty card. For multiple speaker purchases, please fill out only one warranty card.

Model \_\_\_\_\_ Serial Number \_\_\_\_\_

Model \_\_\_\_\_ Serial Number \_\_\_\_\_

Model \_\_\_\_\_ Serial Number \_\_\_\_\_

Model \_\_\_\_\_ Serial Number \_\_\_\_\_

Model \_\_\_\_\_ Serial Number \_\_\_\_\_

Model \_\_\_\_\_ Serial Number \_\_\_\_\_

What store did you purchase your Klipsch products from?

**Store Name:** \_\_\_\_\_

**State:** \_\_\_\_\_

**How did you hear about Klipsch?**  Audio/Home Theater Magazine  Other Magazine  TV  
 Radio  Newspaper  Trade Show  Friend  Retail Dealer  Direct Mail

**Have you purchased Klipsch products before?**  Yes  No

**If yes, what products?**

**Product Name(s):** \_\_\_\_\_

**When do you hope to purchase additional loudspeakers?**  6 mos. - 1 yr.  1-2 yrs.

**How likely are you to consider Klipsch products for your upcoming purchases?**  Very likely  
 Somewhat likely  Doubtful

**If doubtful, why?**  Don't carry product I'm looking for  Too expensive  
 Klipsch dealer too far away  Other

### ***Please tell us about you!***

Married  Single  Student

Male  Female

**Age:**  15-17  18-24  25-35  36-45  46-55  55-64  65+

**Annual Household Income:**  Under \$25,000  \$25-35,000  \$35-50,000  
 \$75-100,000  \$100,000+

# Klipsch Limited Warranty

KLIPSCH, L.L.C. ("KLIPSCH") warrants this product to be free from defects in materials and workmanship (subject to the terms set forth below). For a period of five (5) years from the date of purchase, KLIPSCH will repair or replace (at KLIPSCH's option) this product or any defective parts (excluding electronics and amplifiers) in this product. For products that have electronics or amplifiers, the warranty on those parts is for a period of two (2) years from the date of purchase.

To obtain warranty service, please contact the KLIPSCH authorized dealer from which you purchased this product. If your dealer is not equipped to perform the repair of your KLIPSCH product, it can be returned, freight paid, to KLIPSCH for repair. Please call KLIPSCH at 1-800-KLIPSCH for instructions. You will need to ship this product in either its original packaging or packaging affording an equal degree of protection.

Proof of purchase in the form of a bill of sale or receipted invoice, which is evidence that this product is within the warranty period, must be presented to obtain warranty service.

This Warranty is invalid if (a) the factory applied serial number has been altered or removed from this product or (b) this product was not purchased from a KLIPSCH authorized dealer. You may call 1-800-KLIPSCH to confirm that you have an unaltered serial number and/or you purchased from a KLIPSCH authorized dealer.

This Warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or modification of, or to any part of, the product. This Warranty does not cover damage due to improper operation, maintenance or installation, or attempted repair by anyone other than KLIPSCH or a KLIPSCH dealer which is authorized to do KLIPSCH warranty work. Any unauthorized repairs will void this Warranty. This Warranty does not cover products sold AS IS or WITH ALL FAULTS.

REPAIRS OR REPLACEMENTS AS PROVIDED UNDER THIS WARRANTY ARE THE EXCLUSIVE REMEDY OF THE CONSUMER. KLIPSCH SHALL NOT BE LIABLE FOR ANY INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR BREACH OF ANY EXPRESS OR IMPLIED WARRANTY ON THIS PRODUCT. EXCEPT TO THE EXTENT PROHIBITED BY LAW, THIS WARRANTY IS EXCLUSIVE AND IN LIEU OF ALL OTHER EXPRESS AND IMPLIED WARRANTIES WHATSOEVER, INCLUDING BUT NOT LIMITED TO, THE WARRANTY OF MERCHANTABILITY AND FITNESS FOR A PRACTICAL PURPOSE.

Some states do not allow the exclusion or limitation of incidental or consequential damages or implied warranties so the above exclusions may not apply to you. This Warranty gives you specific legal rights, and you may have other rights which vary from state to state.

15. **Dangerous Entry.** Care should be taken that no foreign objects or liquids fall or are spilled inside the device.
16. **Damage Requiring Service.** The device should be serviced by a Klipsch authorized service center when:
  - The plug or power supply cord has been damaged.
  - Objects have fallen or liquid spilled inside of the device.
  - The device has been exposed to moisture.
  - The device does not appear to be operating properly or exhibits a marked change in performance.
  - The device has been dropped or the cabinet has been damaged.
17. **Service.** The user should not attempt to service the device beyond what is described in the operating instructions. All other servicing should be referred to qualified personnel. If dealer service is not available, contact Klipsch customer service for a return authorization (RA) number before shipping.

**Klipsch Customer Service:** 800-554-7724

**All return shipments should be made to:**

Klipsch, L.L.C.  
137 County Road #278  
Hope, AR 71801  
RA#...(return authorization number required)

## Dear Klipsch Reference Series Owner:

Congratulations on your purchase of Klipsch Reference Series loudspeakers! These products represent the best new thinking, coupled with the Klipsch tradition of sonic excellence.

The Reference Series was developed using the latest in materials and technology to deliver extraordinary sound from today's digital sources. Designed as a family, the Klipsch Reference Series provides optimal performance in either a home theater or music system. For home theater use, Klipsch engineers have developed voice-matched center and rear surround speakers to complement the main channel speakers. All Reference models offer the accuracy, dramatic imaging and high sensitivity that characterize the "live" Klipsch sound. By utilizing our new Tractrix® Horn technology, the Reference models offer the type of high quality performance normally found only in professional speakers, ensuring you a truly enjoyable listening experience.

If this is your first Klipsch purchase, welcome to the fold; if this is an additional Klipsch purchase, we thank you for your loyalty. When it comes to the best in home entertainment, Klipsch is a sound choice.

Please take the time to fill out the enclosed questionnaire and warranty registration card or, if you prefer, you can register your products online at [www.klipsch.com](http://www.klipsch.com). This information helps us serve you better and assists our dealers in meeting your needs as a valued Klipsch customer. Should you have any questions or need more information on Reference or other Klipsch products, please contact us at 1-800-KLIPSCH. We will be happy to assist you, and welcome your feedback.

Thank you for choosing Klipsch loudspeakers.

Sincerely,



Fred S. Klipsch  
Chairman & CEO

### **We Want Your Klipsch Product to Look and Sound as Good as When it Left the Factory. Please Check Promptly for Transit Damage.**

Each Klipsch product is individually tested for sonic quality and inspected for superior appearance before it leaves the Hope, Arkansas factory. Your loudspeaker left the factory in perfect condition in packaging carefully engineered to protect both the working parts and finish. However, in certain extreme circumstances, the products may be damaged in transit.

To ensure that your loudspeaker is in its original condition, please inspect it immediately. If damage is discovered, notify the authorized Klipsch dealer that the unit was purchased from or the transportation company responsible for safe delivery. In the latter case, make a request for inspection from the transportation company and hold the product in its original shipping carton for the inspector. After a joint inspection report is made, file a claim with the transportation company.

# Component Specifications

## RB-5

**Sensitivity:** 96dB @ 1 watt / 1 meter  
**Bandwidth:** 48Hz–20kHz±3dB  
**Nominal Impedance:** 8 ohms  
**Crossover Frequency:** 1950Hz  
**Power Handling:** 150 watts maximum continuous (400 watts peak)  
**Enclosure Type:** Bass reflex via wide flare, rear-firing port  
**Drive Components:** Two-way system using one 1" (2.54cm) K-105-K titanium dome, magnetically shielded compression driver with a 90° x 60° Tractrix Horn and one 8" (20.32cm) K-1084-S aluminum cone, magnetically shielded woofer  
**Net Weight:** 23lbs. (10.5kg)  
**Height:** 17" (43.2cm)  
**Width:** 9" (22.9cm)  
**Depth:** 12.6" (30.9cm)  
**Cabinet:** Medium density fiber board construction (MDF)  
**Finish:** Wood veneers

## RF-3

**Sensitivity:** 98dB @ 1 watt / 1 meter  
**Bandwidth:** 37Hz–20kHz±3dB  
**Nominal Impedance:** 8 ohms  
**Crossover Frequency:** 1975Hz  
**Power Handling:** 225 watts maximum continuous (600 watts peak)  
**Enclosure Type:** Bass reflex via wide flare, rear-firing port  
**Drive Components:** Two-way system using one 1" (2.54cm) K-105-K titanium dome, magnetically shielded compression driver with a 90° x 60° Tractrix Horn and two 8" (20.32cm) K-1038-S aluminum cone, magnetically shielded woofers  
**Net Weight:** 56lbs. (25.5kg)  
**Height:** 38.5" (97.8cm)  
**Width:** 9" (22.9cm)  
**Depth:** 16.2" (41.0cm)  
**Cabinet:** Medium density fiber board construction (MDF)  
**Finish:** Black Ash vinyl veneer

## RP-3

**Sensitivity:** 95dB @ 1 watt / 1 meter  
**Bandwidth:** 27Hz–20kHz±3dB  
**Nominal Impedance:** 8 ohms  
**Crossover Frequencies:** 2750Hz and 90Hz  
**Power Handling:** 75 watts maximum continuous (300 watts peak)  
**Enclosure Type, Tweeter and Mid Bass:** Sealed  
**Enclosure Type, Subwoofer:** Sealed  
**Drive Components:** Three-way system using one 1" (2.54cm) K-105-K titanium dome, magnetically shielded compression driver with a 90° x 60° Tractrix Horn, one 6.5" (16.51cm) K-1081-S aluminum cone, magnetically shielded mid-bass and one 10" (25.4cm) K-1082-K subwoofer  
**Subwoofer Amplifier:** Peak output power 440 watts into 4 ohms/FTC-rated power: 105 watts continuous into 4 ohms, 22-90Hz @ 1% THD maximum  
**Auto Power On:** 2 second ON delay, 15 minute OFF delay  
**Inputs:** High level speaker terminals via binding posts; two line level terminals including a variable line input and a dedicated LFE input (non-filtered) via RCA phono jacks  
**Outputs:** One line level and one LFE output via RCA phono jacks (pass through from Line In and LFE input)  
**Net Weight:** 62lbs. (28.2kg)  
**Height:** 40.5" (102.9cm)  
**Width:** 9" (22.9cm)  
**Depth:** 16.8" (42.7cm)  
**Cabinet:** Medium density fiber board construction (MDF)  
**Finish:** Black Ash vinyl veneer  
**Voltage:** 110/120VAC 60Hz  
**Export version:** 230VAC 50/60Hz

## RP-5

**Sensitivity:** 96dB @ 1 watt / 1 meter  
**Bandwidth:** 25Hz–20kHz±3dB  
**Nominal Impedance:** 8 ohms  
**Crossover Frequencies:** 1950Hz and 90Hz  
**Power Handling:** 150 watts maximum continuous (400 watts peak)  
**Enclosure Type, Tweeter and Mid Bass:** Sealed  
**Enclosure Type, Subwoofer:** Bass reflex via wide flare, rear-firing port  
**Drive Components:** Three-way system using one 1" (2.54cm) K-105-K magnetically shielded, titanium dome compression driver with a 90° x 60° Tractrix Horn, one 8" (20.32cm) K-1084-S aluminum cone, magnetically shielded mid bass and one 12" (30.38cm) K-1087-K subwoofer  
**Subwoofer Amplifier:** Peak output power 525 watts into 4 ohms/FTC-rated power: 165 watts continuous into 4 ohms, 22-80Hz @ 1% THD maximum  
**Auto Power On:** 2 second ON delay, 15 minute OFF delay  
**Inputs:** High level speaker terminals via binding posts; two line level terminals including a variable line input and a dedicated LFE input (non-filtered) via RCA phono jacks  
**Outputs:** One line level and one LFE output via RCA phono jacks (pass through from Line In and LFE input)  
**Net Weight:** 72lbs. (32.7kg)  
**Height:** 42.5" (107.9cm)  
**Width:** 9" (22.9cm)  
**Depth:** 20.3" (51.6cm)  
**Cabinet:** Medium density fiber board construction (MDF)  
**Finish:** Black Ash vinyl veneer  
**Voltage:** 110/120VAC 60Hz  
**Export version:** 230VAC 50/60Hz

## RC-3

**Sensitivity:** 97dB @ 1 watt / 1 meter  
**Bandwidth:** 60Hz–20kHz±3dB  
**Nominal Impedance:** 8 ohms  
**Crossover Frequency:** 1950Hz  
**Power Handling:** 150 watts maximum continuous (400 watts peak)  
**Enclosure Type:** Sealed  
**Drive Components:** Two-way system using one 1" (2.54cm) K-105-KV magnetically shielded titanium dome compression driver with a 90° x 60° Tractrix Horn and two 6.5" (16.5cm) K-1085-SV aluminum cone, magnetically shielded woofers  
**Net Weight:** 29lbs. (13.2kg)  
**Height:** 7.9" (20.1cm)  
**Width:** 22.9" (58.2cm)  
**Depth:** 9" (22.8cm)  
**Cabinet:** Medium density fiber board construction (MDF)  
**Finish:** Black matte vinyl

## RS-3

**Sensitivity:** 95dB @ 1 watt / 1 meter (equivalent sound energy)  
**Bandwidth:** 49Hz–20kHz±3dB  
**Nominal Impedance:** 8 ohms  
**Crossover Frequency:** 2100Hz  
**Power Handling:** 75 watts maximum continuous (300 watts peak)  
**Enclosure Type:** Sealed  
**Drive Components:** Two-way system using two 1" (2.54cm) K-106-K neodymium magnet titanium dome compression drivers with 90° x 60° Tractrix Horns and one 6.5" (16.51cm) K-1086-S aluminum cone woofer  
**Net Weight:** 12lbs. (5.5kg)  
**Height:** 8.5" (21.6cm)  
**Width:** 18.7" (47.5cm)  
**Depth:** 7.4" (18.8cm)  
**Cabinet:** Medium density fiber board construction (MDF)  
**Finish:** Black or White



This product complies with the essential requirements of EMC directives 89/336/EEC and 73/23/EEC (inclusive of 93/68/EEC) and carries the CE mark accordingly.

### Wall Mounting

- Install the supplied self-stick rubber bumpers to each corner of the speaker's rear panel. This will provide clearance between the wall and the cabinet for speaker wire and will prevent the speaker from marring the wall.
- Cut out the template in the back cover of the owner's manual to assist in obtaining proper spacing of the two mounting holes. If the template is not available, space the mounting screws  $5 \frac{9}{16}$ " apart on a vertical line. Be sure to allow at least  $1 \frac{3}{4}$ " of clearance space above the top screw.
- Check the vertical orientation of the marked hole locations with a torpedo level before drilling.
- Use a #10 or #12 ( $2 \frac{1}{2}$ " – 3" long) pan head wood screw mounted into a wall stud.
- Check the fit of the screw head in the keyhole brackets before installation as screw head sizes do vary.
- Drill the proper size pilot hole at the marked positions and install the screws into the wall stud. Leave the back surface of the screw head protruding about  $\frac{1}{4}$ -inch from the wall surface. This will facilitate hooking the keyhole bracket over the screw head with the rubber bumpers installed. The clearance between the wall and the screw head may need to be adjusted to achieve a proper fit. If a wall stud is not available, use the proper type and weight rating of drywall or masonry anchor appropriate for the wall construction. Please consult your dealer, custom installer or a building contractor in this situation.
- **Do Not Use the Keyhole Mounting Brackets for Ceiling Installations!**



## How to Connect the Reference Series Speakers

### AC POWER / RP-3 AND RP-5 ONLY

Since the **RP-3** and **RP-5** have internal subwoofer power amplifiers, they must be plugged into a nearby AC wall outlet. The **RP-3** and **RP-5** should be unplugged from the AC power with the power switch in the OFF position during hook up and installation. To eliminate a tripping hazard, all connections should be unplugged from the back panel if the speaker is being moved. Avoid extremely long extension cords of small gauge since they can impair the performance of the subwoofer amplifier and present a potential fire hazard. If the **RP-3** or **RP-5** will not be used for an extended period of time, unplug the power cord from the AC power outlet.

**Note:** 230 volt models are not supplied with an AC power cord but are equipped with an IEC-type power cord socket.

**CAUTION!** Since the Klipsch **RP-3** and **RP-5** have built-in electronics, do not place them near sources of heat or moisture. Take care to route the power cord so that it will not be cut, damaged or pinched.

### SPEAKER WIRE CONNECTIONS

**Switch your electronics OFF when making all connections!** When making any type of speaker wire connection, be sure to observe proper polarity (+ to + and - to -). Most speaker wire is insulated, two conductor, stranded construction and is color-coded or has some distinguishing feature differentiating the two conductors. Speaker wire connectors on most loudspeakers and amplifiers are also color-coded. Typically, RED is positive (+) and BLACK is negative (-), or ground. It does not matter which conductor is connected to the positive or negative terminals of your equipment as long as you are consistent. Be sure that the connections from all of the amplifier channels to all of the speakers in your system are connected in a like manner. If not, the quantity of bass will be reduced and the stereo image will be compromised. Be careful to avoid excess bare wire or loose strands of wire at the connections. This could cause a short between adjacent positive and negative terminals, damaging your amplifier. Eighteen gauge (AWG) wire is the minimum size recommended for short distances with larger gauges recommended for longer runs. Consult your Klipsch dealer for specific suggestions.

**RB-5, RF-3, RP-3 and RP-5:** Connect to “**Front**” or “**Main**” channel speaker outputs of your system's power amplifier (**speaker wire connections are the primary type of hookup for the RP-3 and RP-5**). With the gold coupling straps in place, either the **UPPER** or **LOWER** binding posts may be used. All of these models are bi-wire capable for improved clarity and detail (**gold metal coupling straps removed**). The low and high frequency sections of the speaker may now be driven with discrete runs of speaker cable connected to the same channel of your power amplifier. Consult your dealer for more detail about connecting two sets of speaker cable to the same channel of your amplifier.

**RC-3:** Connect to the “**Center**” channel speaker output of your system's power amplifier. This model is also bi-wire capable, see above for more detail.

**RS-3:** Connect to the “**Rear**” or “**Surround**” channel speaker outputs of your system’s power amplifier. When connecting surround speakers to the rear channels of a 5.1 channel system, it is important that they are hooked up to the appropriate left and right rear channels as the surround effects are in stereo.

#### **LINE LEVEL CONNECTIONS / RP-3 AND RP-5 ONLY (optional)**

**Switch your electronics OFF when making all connections!** These connections should be made using high quality shielded interconnect cables terminated with RCA phono plugs. These cables should be as short as possible and kept away from noise-generating electrical equipment, such as digital electronics or electric motors. Consult your Klipsch dealer for specific cable recommendations.

#### **LINE IN**

This input is **only** used to drive the powered subwoofer portion of your **RP-3** or **RP-5**. Using this connection will generally result in improved clarity and definition in the bass. This input should be connected to a non-filtered (full range) subwoofer or main channel pre-amp output on your electronics.

**Note: If you use a mono subwoofer output to feed both left and right subwoofers, any stereo bass information will be reproduced as a mono signal.** When using this input, remove the gold metal coupling straps that join the two pairs of binding posts and connect your speaker cable only to the “**HIGH IN**” speaker terminals. The “**LINE IN**” input **must not** be your only connection to the speaker. This input can also be used in conjunction with the LFE input described below.

#### **LINE OUT**

This output is provided to feed the line level signal to your other speaker if it is difficult or inconvenient to connect both directly to the line output on your electronics. **Note: If you use a mono subwoofer output to feed both left and right subwoofers, any stereo bass information will be reproduced as a mono signal.**

#### **LFE IN (optional)**

This input is used with the newest 5.1 (six channel) surround sound systems. The LFE channel contains bass effects information that is different than the bass signals present in the other channels to enhance the soundtrack’s impact. The “**LFE IN**” input on the **RP-3** and **RP-5** **requires** a low pass filtered signal (high frequencies removed) from your electronic’s subwoofer or LFE output. **Do not connect this input to a full range (unfiltered) pre-amp output.** The peak level of this signal can be up to 10 decibels louder than main channel bass signals, so caution should be exercised when connecting to this output and initially adjusting the “**BASS CONTOUR**” control. The “**LFE IN**” **must not** be the only connection to the speaker. The “**SPEAKER IN**” and “**LINE IN**” connections are the primary hookups. The “**LFE IN**” is compatible with either line level or speaker level connections.

#### **LFE OUT (optional)**

This output is provided to feed the LFE signal to the other speaker if it is difficult or inconvenient to connect both directly to the LFE output on your electronics.

#### **BASS MANAGEMENT**

Most surround sound electronics are equipped with a bass management system that permits the selection of either a full- or limited-range (filtered) operation for each speaker. You will normally configure the main channels of your surround processor for the “**Large**” or “**Full Range**” setting and the center and surround channels for the “**Small**” or “**Limited Range**” setting. The subwoofer or LFE channel should have its low pass filter engaged when connecting to the optional “**LFE IN**” on the **RP-3** and **RP-5**. Consult your Klipsch dealer for more specifics on the bass management options of your electronics.

#### **CONTROLS / RP-3 AND RP-5 ONLY**

##### **Bass Contour**

This control adjusts the volume of **only** the lower bass frequencies produced by the subwoofer section of the **RP-3** and **RP-5**. This allows you to compensate for the significant effects of room acoustics and speaker placement on the bass range without effecting the subwoofer’s proper blend with the high frequency section of the speaker. For initial setup, try the “**FLAT**” position (full counterclockwise) and then increase as desired. This is the primary bass adjustment control effecting the **Speaker, Line** and **LFE** inputs.

##### **LINE LEVEL (optional)**

This control adjusts the volume of the **entire** bass range of the **RP-3** or **RP-5** subwoofer section only when using the “**LINE IN**” input. This allows you to achieve a proper bass to mid frequency balance if the line output level from your electronics is unusually high or low. For initial setup, use the “**NORMAL**” control position and then adjust as required. Extreme settings of this control will effect the blend between the bass and mid frequencies, causing a peak or dip in response.

**Note: When using the line level control and input, the gold metal coupling straps joining the two pairs of speaker binding posts must be removed.**

## **POWER**

This switch has conventional “ON” and “OFF” positions as well as an “AUTO” setting. In the “AUTO” position, the subwoofer will turn itself on when it receives a signal from your system. If no signal is sent for a period of 15 minutes, the sub will turn itself off. Automatic power up and down of the subwoofer’s amplifier can be achieved even if it is not located with your other electronics. A red power light indicates a standby mode in which the amplifier will turn on when it senses a signal. Green indicates the subwoofer is on and receiving a signal.

## **Troubleshooting**

- If one or both of the RP-3 or RP-5’s subwoofers have little or no output:
  - Double check your power (AC) and system connections.
  - Make sure that the power switch on the rear control panels of both units is set to the “ON” or “AUTO” position.
  - Check that the “**Power**” light on the front of the RP-3 or RP-5 is lit. If not, check the AC fuse on the amplifier panel. When changing the AC main’s power fuse, unplug the power cord first. To access the fuse, use the appropriate screwdriver to unscrew the cap on the fuse receptacle. If the fuse is blown (the filament inside the glass tube is burned through), replace it with the same type and value printed on the amplifier panel next to the fuse holder. **NEVER INSTALL A LARGER FUSE THAN THE VALUE INDICATED ON THE AMPLIFIER PANEL.** If the fuse blows again when the subwoofer is powered up, return the unit to your authorized Klipsch dealer for servicing by qualified personnel. If dealer service is not available, contact Klipsch Customer Service for a **Return Authorization number before shipping.**



Klipsch Customer Service: 800-554-7724

All return shipments should be made to:  
Klipsch, L.L.C.  
137 County Road #278  
Hope, AR 71801  
RA #...(return authorization number required)

- The RP-3 and RP-5’s subwoofer amplifier is protected by a thermal sensor. If the unit is run for extended periods beyond its designated power rating, the thermal sensor will engage and shut down the subwoofer. If this occurs, turn the “**POWER**” switch off, turn down the volume on your electronics and wait five minutes before restarting the system.
- If you experience a noticeable hum when the RP-3 or RP-5 is connected to your system (a system that includes video equipment), disconnect the cable television line (if present). If the hum disappears, consult your Klipsch dealer for a ground isolator for the cable line. If this does not solve the problem, contact your Klipsch dealer for further advise.
- Regardless of your amplifier’s rated capacity, do not operate the system at the full output (highest volume): Amplifiers can create extremely high levels of distortion when operated at full output and can damage your loudspeakers. Most amplifiers are at maximum, clean power when the volume control is at or just above the 12 o’clock position.
- Position speaker connection wires so that they do not create a trip hazard.

## **Care and Cleaning**

Your speakers have a durable matte vinyl finish that should only require dry dusting or cleaning with a damp cloth. Avoid the use of abrasive or solvent-based cleaners and harsh detergents.

# Klipsch Reference Series Technology

The Klipsch Reference Series is a complete, matched family of high performance loudspeakers that offer superior home theater and two-channel performance. This series offers a choice of three floor-standing speakers (**RF-3**, **RP-3** and **RP-5**), a high performance bookshelf model (**RB-5**) and companion, voice-matched center (**RC-3**) and surround (**RS-3**) speakers. Both the **RP-3** and **RP-5** feature built-in powered subwoofers to provide maximum deep bass performance while reducing demands on floor space and amplifier power. An updated version of our square Tractrix Horn, driven by a titanium diaphragm tweeter, is paired with high output woofers featuring glass-fiber-reinforced polymer frames and light, rigid aluminum cones. All front channel models feature video shielding, bi-wire inputs and a “floating” grille design that gives the speakers a handsome, contemporary style with minimal sonic interference. Flush-mounted components and narrow front profiles are combined with time-aligned drivers and simple, minimum phase filter networks to provide truly extraordinary soundstaging. The rear sound field is provided by the Klipsch **RS-3 Wide Dispersion Surround Technology™** speakers. These speakers contain an array of three drivers that flood the back of the listening room with high quality direct and diffuse sound providing pinpoint rear channel imaging and full ambient envelopment.

## Speaker Placement

### REFERENCE RB-5, RF-3, RP-3 AND RP-5 MAIN SPEAKERS

Both speakers should be placed on the same wall of your room facing the listening area. Space the loudspeakers so they are between six and 15 feet apart with the same, or slightly greater, distance from the speakers to your listening position. For best results with the RB-5, we recommend the use of a high quality, rigid speaker stand that will place the horn tweeter at ear level when seated. The desired spread between the speakers may be different for a home theater application than it would be for a two-channel audio system. Some correlation between the size of the video and sonic image may dictate the final placement of the speakers. For a higher quality stereo image, angle, or toe in, the speakers toward the listener. Additional bass output will result if you place the speakers in a corner or near a wall due to the additional reflected energy from the walls and floor. This may, however, degrade soundstage quality so these two attributes must be balanced depending upon your sonic priorities. Room acoustics vary, so experiment with specific placement within the listening area.

Reference floorstanding models include four extension feet to enhance stability. We strongly recommend that these extension feet be used. Attach the extension feet to the threaded inserts in the bottom of the speaker cabinet using the supplied screws. **Do not overtighten!** Also included are four spikes and four rubber tipped pads that can be screwed into the threaded inserts on the bottom of the extension feet. Although we recommend the use of the extension feet, the spikes or rubber pads can be screwed directly into the inserts on the cabinet bottom. The rubber pads are for use on hard flooring and the spikes are designed for carpeted surfaces. The spikes will provide the best sonic performance on all types of floors but **be advised that they will scratch or mar the floor's surface.** By concentrating the speaker's weight on a small contact area, spikes reduce cabinet movement and resonance, improving clarity, imaging and detail.

### REFERENCE RC-3 CENTER SPEAKER

Place the center speaker on top of or just below the video screen, centered. This anchors center channel sounds to the on-screen image for off-center viewers. By installing the adjustable foot, the **RC-3** may be angled down to compensate for placement on a high shelf or the top of a large rear projection television. First thread the jamb nut onto the threaded rod, then screw the pointed end of the threaded rod into the insert on the bottom rear of the speaker cabinet. Install the vinyl boot on the end of the rod to protect your shelf or television cabinet from marring. Adjust the length of the rod to aim the speaker at ear level when seated in the listening area. Gently tighten the jamb nut with a wrench, **being careful not to overtighten!** Stick-on rubber pads are included for attachment to the speaker bottom to prevent vibration and scratching of the television cabinet or shelf. When the adjustable foot is not being used, cover the threaded insert with one of the supplied self-stick rubber pads.

### REFERENCE RS-3 WDSST SURROUND SPEAKER

One of the principle advantages of Klipsch's unique Wide-Dispersion Surround Technology is greater placement flexibility. Due to their full 180° coverage pattern, the **RS-3s** will perform well in a variety of locations. The most effective placement for home theater systems is either on the side walls, adjacent to or behind the listening area, or on the rear walls near the corners of the room. A height of approximately five to seven feet from the floor to the base of the speaker is recommended.

Your Klipsch surround speaker can be wall mounted by using the supplied keyhole brackets on the rear of the cabinet. These two brackets are vertically oriented to attach to a pair of screws secured into a wall stud.