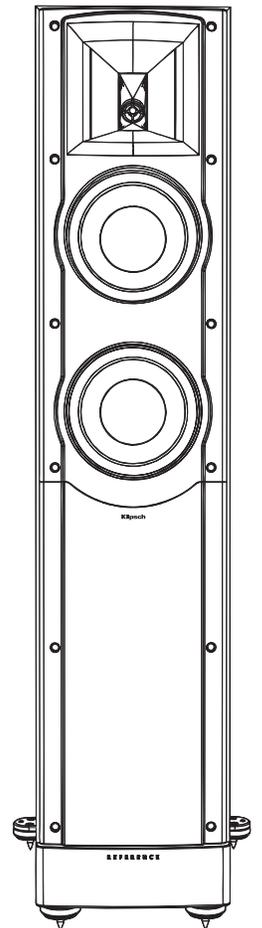
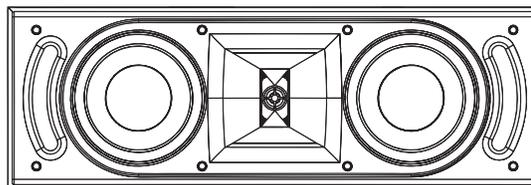
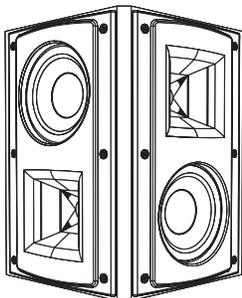
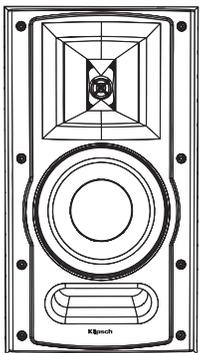


Klipsch®



**AVAILABLE AT
DIGITAL CINEMA**



Reference Series

Owner's Manual

IMPORTANT SAFETY INFORMATION

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. ONLY USE attachments/accessories specified by the manufacturer.
10. USE only with a 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. 
11. DO NOT expose this apparatus to dripping or splashing and ensure that no objects filled with liquids, such as vases, are placed on the apparatus.



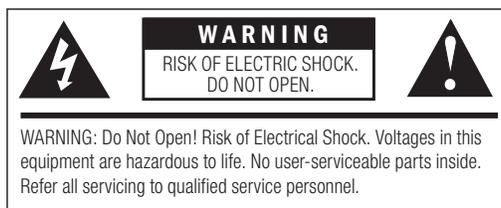
The exclamation point, within an equilateral triangle, is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the product.



The lightning flash with arrowhead symbol within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electrical shock to persons.

WARNING: To reduce the risk of fire or electrical shock, do not expose this apparatus to rain or moisture.

WARNING: No naked flame sources – such as candles – should be placed on the product.



UNPACKING

All Models

- Open one end of the carton, attach outrigger feet as shown in Figure 2, invert the speaker and pull the carton off of the loudspeaker. (See Figure 1.)
- Remove all inner packing, including plastic bags, and re-install the grille on the front of the cabinet.

Inspect the loudspeaker for shipping damage. If damage has occurred, notify your Klipsch dealer or the responsible transit company. Retain all packaging for future use.

Floorstanding Models

Floorstanding models are supplied with foot spikes to enhance performance on carpeted floors.

- Invert the speaker on a carpeted surface and screw the spikes into the threaded bushings in the bottom of the feet. Use caution when turning the speaker upright as the spikes are sharp! (See Figure 2.)
- Use an assistant to lift the speaker into position.
- Adjust individual spike length to level the speaker after positioning.

Bookshelf, Center and Surround Models

These models are supplied with self-stick rubber feet to prevent surface damage. (See Figure 2 for proper application.)

ROOM PLACEMENT

Your Reference loudspeakers will perform well in a variety of locations, but best results will be achieved using the following guidelines:

Front Left and Right Speakers (See Figures 3 and 4.)

- Place on a common wall 6 to 15 feet apart.
- If used in a home theater system, position the speakers flanking your video display.
- Position them equidistant from the back wall.
- Position them at the same height above the floor (for non-floor standing models) with the high frequency drivers at seated ear height.
- Angle speakers toward the listener and even with or forward of any adjacent obstructions.
- Placing them near a corner or wall provides the greatest amount of bass while moving the speakers away from room boundaries reduces bass energy.
- Asymmetrical placement of a pair of speakers from adjacent side walls can smooth room-induced bass unevenness.
- Bookshelf models may be placed on shelves or optional floor stands.
- Experiment with the above guidelines to suit your taste and to compensate for your room's acoustic characteristics.

Center Channel Speakers (See Figures 3 and 4.)

- Place immediately above or below center of your video display.
- These models are supplied with a tilt rod to compensate for placements above or below seated ear height.
- Use the supplied self-stick rubber pads to cover the threaded bushing holes (2) if the tilt rod is not used. (See Figure 6.)

Surround Channel Speakers (See Figures 3 and 4.)

- Place approximately 2 feet above the listening position (Typically this will be about 5-7 feet above the floor.)
- The surrounds should be placed on the walls directly adjacent to the listening position. Another option would be on the wall behind the listening position.
- The final surround speaker placement depends on your room's characteristics.
- Use the attached wall bracket to hook to an appropriately sized screw head screwed into a wall stud or wall anchor with a suitable weight bearing capacity. (See Figure 4.)
- See your Klipsch dealer for optional, adjustable wall mounts if required. These mounts utilize the threaded bushings on the rear of the cabinet.



CAUTION! Never use the attached wall bracket for mounting the speaker to the ceiling!

CONNECTING



CAUTION! Turn your amplifier off before making any connections.

Your loudspeakers are equipped with positive (Red) and negative (Black) connection terminals on the rear of the cabinet. These correspond to the positive and negative terminals on the appropriate channel (left, right, center, rear etc.) of your amplifier.

Standard Connections (See Figure 5.)

- Some Reference speakers come with dual binding posts that are connected by a metal strip. Do not remove this strip or your speakers will not function correctly. Keep this strip in place and connect your speaker wire to the top set of the binding posts. It is possible to "Bi-wire" a speaker that has two sets of binding posts. Please see your receiver's manual for further instructions.
- All speakers in your system must be connected in phase with the positive speaker terminal connected to the positive amplifier terminal. Repeat this for the negative speaker terminal and amplifier terminals. Most speaker wire has distinguishing markings on the insulation of one of the conductors to assist in correct hookup.

- Use 16 gauge (AWG), two conductor, copper wire at a minimum and larger gauge wire for longer runs. The connection terminals on your loudspeaker will accommodate bare wire, spade terminals or banana type plugs.
- Use either pair of positive and negative terminals keeping the metal coupling straps in place.



CAUTION! With all connection types, take care that there is no contact between the positive and negative terminals at the speaker and amplifier. Damage to your equipment may result!

Bass Management

When using your speakers in a home theater system, consult the owner's manual of your surround electronics for proper application of bass management settings.

- As a general rule, compact speakers (Bookshelf, Center Channel and Surrounds) are set to the "Small," or bass-limited setting.
- Floorstanding speakers are typically set to the "Large," or full-range setting.
- Also refer to the electronics instructions for adjusting the relative volume levels of the speakers so they are at the same level when in the listening position.

CARE AND CLEANING

- Occasional dusting or wiping of the cabinet with a damp cloth is all that is required. Never use abrasive or solvent type cleaners or harsh detergents.
- A vacuum cleaner with a soft brush attachment may be used to clean the grille fabric.
- Never spray polishes or cleaners on the drive units (woofers, midranges or tweeters).

WARRANTY – U.S. AND CANADA

Klipsch warrants to the original retail purchaser that this product is to be free from defective materials and workmanship for a period of five (5) years from the date of purchase, if it is properly used and maintained. If this product proves defective in either material or workmanship, Klipsch, at its option, will (a) repair the product, or (b) replace the product, at no charge for parts or labor. If the product model is no longer available and cannot be repaired effectively or replaced with an identical model, Klipsch at its sole option may replace the unit with a current model of equal or greater value. In some cases, modification to the mounting surface may be required where a new model is substituted. Klipsch assumes no responsibility or liability for such modification. To obtain a repair or replacement under the terms of this warranty, please return to dealer first, if possible, and they will direct you accordingly for repairs or replacement. You will be required to submit a copy of the original receipt.

Limitations:

- This limited warranty does not cover failure of the product resulting from improper installation, misuse, abuse, accident, neglect, mishandling, or wear from ordinary use or environmental deterioration.
- This limited warranty does not cover cosmetic damage, including paint damage, or consequential damage to other components or premises which may result for any reason from the failure of the product. =
- This limited warranty is null and void for products not used in accordance with Klipsch's instructions.
- This limited warranty is null and void for products with altered or missing serial numbers and for products not purchased from an authorized dealer.
- This limited warranty terminates if you sell or otherwise transfer this product to another party.

THIS WARRANTY GIVES YOU SPECIFIC LEGAL RIGHTS, AND YOU MAY ALSO HAVE OTHER RIGHTS WHICH VARY FROM STATE TO STATE, JURISDICTION TO JURISDICTION OR COUNTRY TO COUNTRY. KLIPSCH'S RESPONSIBILITY FOR MALFUNCTIONS AND DEFECTS IN HARDWARE IS LIMITED TO REPLACE-

MENT OR REPAIR AS SET FORTH IN THIS WARRANTY STATEMENT. FOR CANADIAN CUSTOMERS, KLIPSCH DISCLAIMS ALL OTHER WARRANTIES AND CONDITIONS, EXPRESS OR IMPLIED, STATUTORY OR OTHERWISE, FOR THE PRODUCT. FOR U.S. CUSTOMERS, ALL EXPRESS AND IMPLIED WARRANTIES OF THE PRODUCT, INCLUDING BUT NOT LIMITED TO ANY IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE LIMITED IN TIME TO THE TERM OF THIS WARRANTY. SOME STATES, JURISDICTIONS OR COUNTRIES DO NOT ALLOW THE EXCLUSION OF CERTAIN IMPLIED WARRANTIES OR CONDITIONS, OR LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY OR CONDITIONS LASTS, SO THIS LIMITATION MAY NOT APPLY TO YOU. KLIPSCH DOES NOT ACCEPT LIABILITY FOR SPECIAL, INDIRECT, CONSEQUENTIAL OR INCIDENTAL DAMAGES, INCLUDING WITHOUT LIMITATION, ANY LIABILITY FOR THIRD PARTY CLAIMS AGAINST YOU FOR DAMAGES OR FOR PRODUCTS NOT BEING AVAILABLE FOR USE. THE MAXIMUM LIABILITY FOR WHICH KLIPSCH MAY BE RESPONSIBLE WILL BE NO MORE THAN THE AMOUNT YOU PAID FOR THE PRODUCT THAT IS THE SUBJECT OF THE CLAIM. SOME STATES, JURISDICTIONS OR COUNTRIES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF SPECIAL, INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION OR EXCLUSION MAY NOT APPLY TO YOU.

WARRANTY OUTSIDE THE U.S. AND CANADA

The Warranty on this product if it is sold to a consumer outside of the United States and Canada shall comply with applicable law. To obtain any applicable warranty service, please contact the dealer from which you purchased this product, or the distributor that supplied this product.

EU COMPLIANCE INFORMATION:

Eligible to bear the CE mark, Conforms to European Union Low Voltage Directive 2006/95/EC; Conforms to European Union EMC Directive 2004/108/EC and European Union Directive 2005/32/EC for Ecodesign requirements.

WEEE NOTICE

Note: This mark applies only to countries within the European Union (EU) and Norway.



This appliance is labeled in accordance with European Directive 2002/96/EC concerning waste electrical and electronic equipment (WEEE). This label indicates that this product should not be disposed of with household waste. It should be deposited at an appropriate facility to enable recovery and recycling.

PRODUCT REGISTRATION

Register your product online at www.klipsch.com/register

- Klipsch will keep you up-to-date on new products and promotions
- Your personal information will never be resold
- This registration information is not used for warranty purposes. Please retain your receipt for warranty claims.

Figure 1

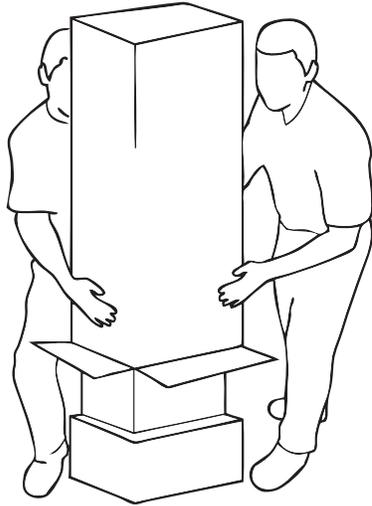
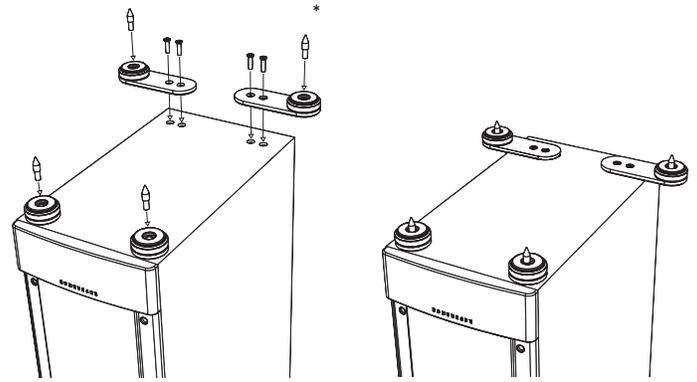


Figure 2



*Optional Spikes

Figure 3

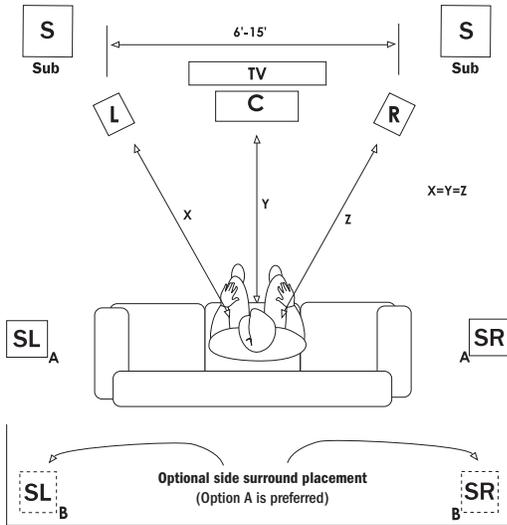


Figure 4

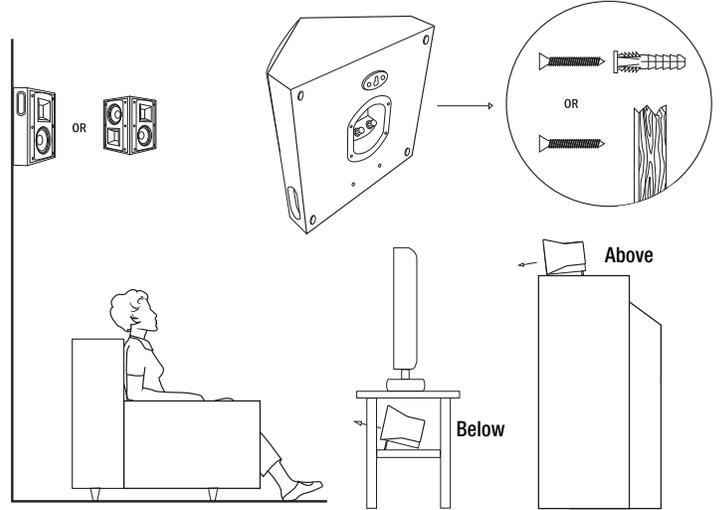


Figure 5 Standard Connections

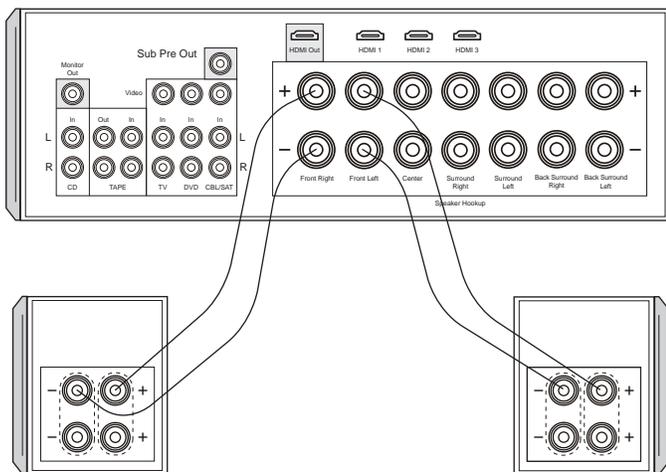
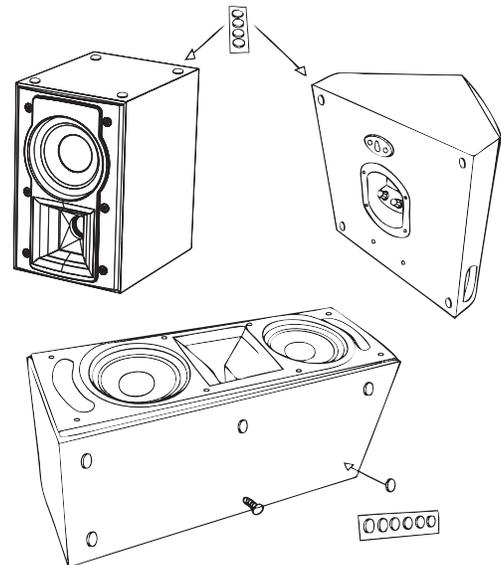
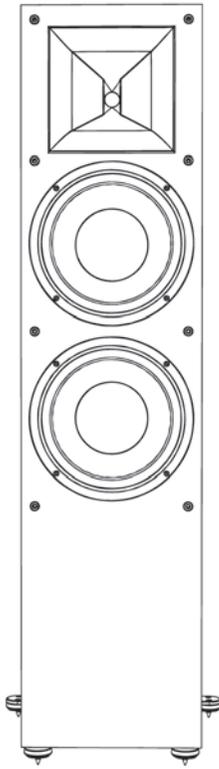
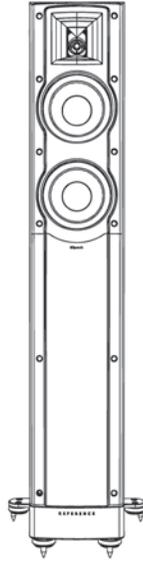


Figure 6

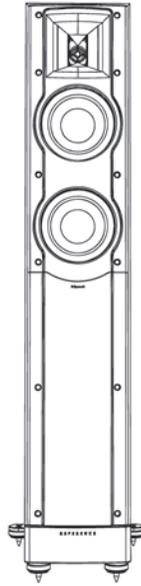




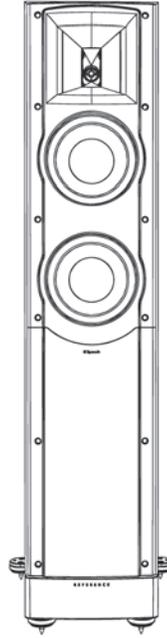
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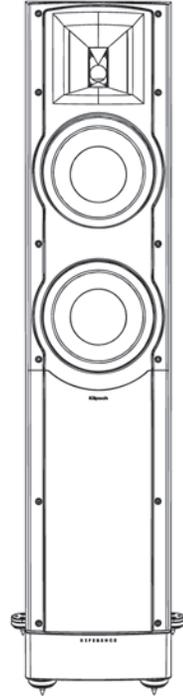
RF-42 II



RF-52 II



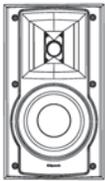
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RF-82 II



RB-41 II



RB-51 II



RB-61 II



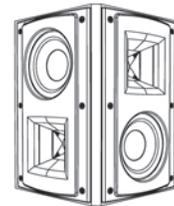
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RS-41 II



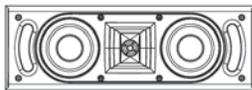
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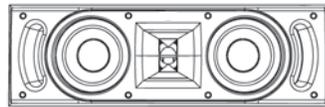
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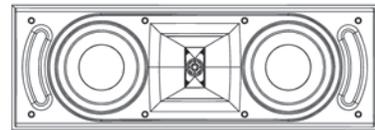
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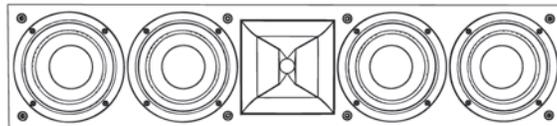
RC-42 II



RC-52 II



RC-62 II



RC-64 II

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