



Klipsch[®]
CFL

A LEGEND IN SOUND.

8900 Keystone Crossing, Suite 1220
Indianapolis, Indiana 46240

1-800-KLIPSCH • www.klipsch.com

For your records:

Model

Serial Number

Date Purchased

Dealer Name

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.

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

Place First
Class Postage
Stamp Here

Klipsch Legend Series™



KLF 10



KLF 20



KLF 30



KLF-C7

Owner's Manual & Warranty

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.

Dear Klipsch Legend Series Owner:

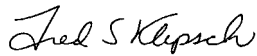
Congratulations on your purchase of Klipsch Legend Series loudspeakers! You have selected one of the finest loudspeakers made — a tribute to the over 50 years of engineering expertise and fine craftsmanship that have made Klipsch “A Legend in Sound®.” Developed using proven materials and technology, these products represent the finest Klipsch tradition of sonic excellence.

Designed to meet the original objectives of Klipsch’s founder Paul W. Klipsch — to reproduce live music as realistically as possible — the Klipsch Legend Series was developed to deliver optimal performance as an audio music system. To complement the front main speakers, Klipsch engineers also developed a voice-matched center channel for extraordinary theater sound across the front. All Legend models offer the accuracy, dramatic imaging, amazing dynamics and high efficiency that characterize the “like live” Klipsch sound. The Legend models also feature hand-built wood veneer cabinets in a variety of fine wood finishes to match any home decor.

Please take the time to fill out the enclosed questionnaire and warranty registration card. 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 Legend or other Klipsch products, please contact us. We will be happy to assist you and welcome your feedback.

Thank you for choosing Klipsch loudspeakers.

Sincerely,



Fred S. Klipsch
Chairman & CEO

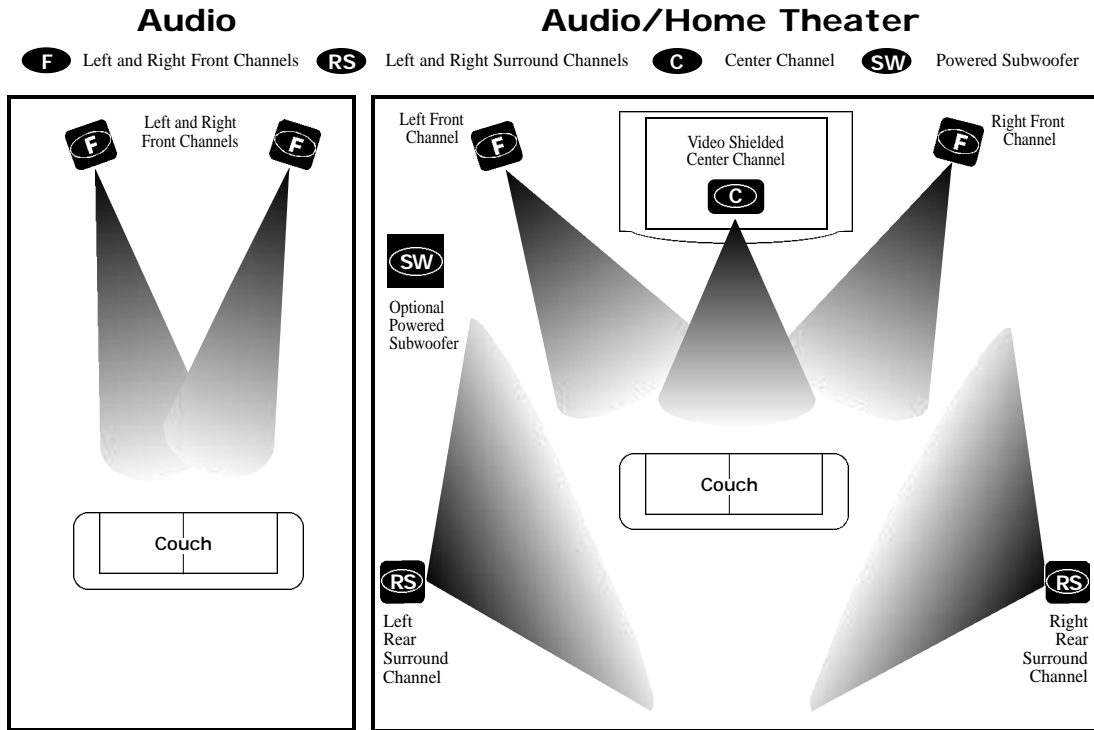
We Want Your Klipsch Product to Look and Sound as Good as When it Left the Factory. Please Check Promptly for Transit Damage.

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 any damage is discovered, notify the transportation company responsible for safe delivery. Make a request for inspection 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.

Planning Your Klipsch Home Entertainment System

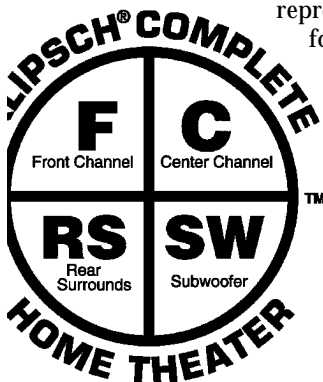
Your new Klipsch speakers will enhance the performance of your home entertainment system, whether used within a two-channel audio or multi-channel home theater system. Speaker placement is important in optimizing the performance of your system. Please refer to the diagrams below as a general guide for how to position the speakers within your listening area.



Klipsch Complete Home Theater

Klipsch has long been a leader in the manufacture of home theater loudspeakers, building on its heritage of developing custom sound systems for professional movie theaters. This expertise is put to good use in developing integrated speaker systems for home theater applications. While each Klipsch speaker must meet certain specific criteria on its own, it is the careful and deliberate design of the speakers as a system that results in even and all-encompassing sound. Voice, or timbre, matching ensures that the resulting outputs have similar sonic characteristics, meaning as sound moves throughout the listening area from speaker to speaker, it is seamless and enveloping.

For a *truly complete* home theater, you need closely matched components capable of accurately reproducing all of the detail and dynamic range of the source material. Klipsch recommends the following grouping of components to complete your Klipsch Legend Home Theater:



- | | |
|-----------------------------|-----------------------------|
| 2-KLF 10 Towers | 2-KLF 20 Towers |
| 1-KLF-C7 Center Channel | 1-KLF-C7 Center Channel |
| 2-KSF-S5 Rear Surrounds | 2-KSP-S6 Rear Surrounds |
| 1-KSW 200 Powered Subwoofer | 1-KSW 200 Powered Subwoofer |
| 2-KLF 30 Towers | |
| 1-KLF-C7 Center Channel | |
| 2-KSP-S6 Rear Surrounds | |
| 1-KSW 300 Powered Subwoofer | |

Component Specifications

LEGEND KLF 10 TOWER

Sensitivity: 98 dB @ 1 watt/1 meter

Frequency Response: 32 Hz-20 kHz±3 dB

Nominal Impedance: 8 ohms

Crossover Frequency: 2300 Hz

Power Handling: 150 watts maximum continuous (600 watts peak)

Enclosure Type: Bass reflex via a single, wide-flare, rear firing port

Drive Components: Two-way system using one 1" (2.54 cm) K-100-K tweeter/midrange compression driver with a 90° x 60° Tractrix Horn and two 10" (25.4 cm) K-1056-K woofers

Weight: 65 lbs. (29.5 kg)

Height: 38.75" (98.43 cm)

Width: 12" (30.5 cm)

Depth: 16" (41 cm)

Finish: Light Oak, Medium Oak, Black Satin, Mahogany.

LEGEND KLF 20 TOWER

Sensitivity: 100 dB @ 1 watt/1 meter

Frequency Response: 34 Hz-20 kHz±3 dB

Nominal Impedance: 8 ohms

Crossover Frequency: 750 Hz and 7 kHz

Power Handling: 200 watts maximum continuous (800 watts peak)

Enclosure Type: Bass reflex via dual, wide-flare, rear firing ports

Drive Components: Three-way system using one 1" (2.54 cm) K-79 tweeter compression driver with a 90° x 40° exponential horn; one 1.5" (3.81 cm) K-52 midrange compression driver with a 90° x 60° Tractrix Horn and two 10" (25.4 cm) K-1036 woofers

Weight: 86.5 lbs. (39.27 kg)

Height: 40.75" (103.51 cm)

Width: 12" (30.5 cm)

Depth: 16" (41 cm)

Finish: Light Oak, Medium Oak, Black Satin, Mahogany.

LEGEND KLF 30 TOWER

Sensitivity: 102 dB @ 1 watt/1 meter

Frequency Response: 36 Hz-20 kHz±3 dB

Nominal Impedance: 8 ohms

Crossover Frequency: 825 Hz and 7 kHz

Power Handling: 200 watts maximum continuous (800 watts peak)

Enclosure Type: Bass reflex via dual, wide-flare, rear firing ports

Drive Components: Three-way system using one 1" (2.54 cm) K-79 tweeter compression driver with a 90° x 40° exponential horn; one 1.5" (3.81 cm) K-52 midrange compression driver with a 90° x 60° Tractrix Horn and two 12" (30.48 cm) K-31 woofers

Weight: 102 lbs. (46.3 kg)

Height: 45.25" (115 cm)

Width: 14" (35.56 cm)

Depth: 16" (41 cm)

Finish: Light Oak, Medium Oak, Black Satin, Mahogany.

LEGEND KLF-C7 CENTER CHANNEL

Sensitivity: 99 dB @ 1 watt/1 meter

Frequency Response: 70 Hz-20 kHz±3 dB

Nominal Impedance: 8 ohms

Crossover Frequency: 2 kHz

Power Handling: 150 watts maximum continuous (600 watts peak)

Enclosure Type: Sealed Cabinet

Drive Components: Two-way system using one 1" (2.54 cm) K-90-KV video-shielded compression driver with a 90° x 60° Tractrix Horn and two 8" (20.32 cm) K-1062-V magnetically shielded woofers

Weight: 38 lbs. (17.25 kg)

Height: 11" (28 cm)

Width: 27.2" (69 cm)

Depth: 9.12" (23.18 cm)

Finish: Light Oak, Medium Oak, Black Satin, Mahogany.

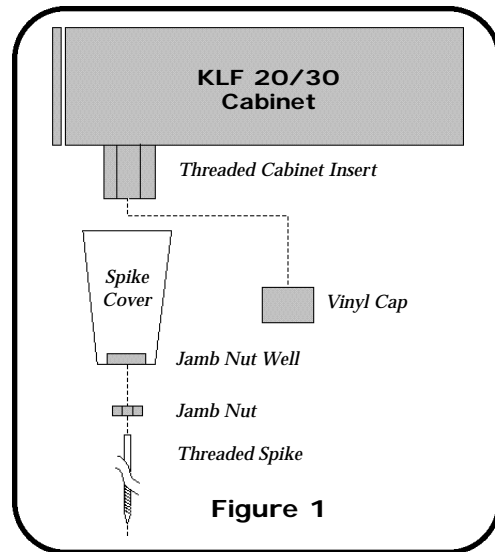
The Spike Kit Contains:

- 4-Threaded Spikes (one end pointed, the other blunt)
- 4-Jam Nuts
- 4-Spike Covers

To Install the Feet:

1. Remove the vinyl cap from the cabinet insert.
 2. Thread the jamb nut onto the pointed end of the spike.
 3. Slide the blunt end of the threaded spike through the bottom (narrow end) of the spike cover and seat the jamb nut into the hexagonal well in the foot.
 4. Thread the foot assembly into the insert in the bottom of the speaker cabinet.
 5. Adjust the length of the spike for proper height.
 6. Tighten the foot by hand to secure the assembly.
- Repeat this procedure for the other spike assemblies.

Refer to Figure 1.



The feet can be adjusted to compensate for an uneven floor. For maximum stability and strength, leave as much of the threaded rod in the cabinet fitting as possible. Use just enough exposed spike to penetrate the carpet and pad and lift the speaker off of the carpet.

If the blunt end of the rod does not thread easily into the cabinet fitting, “chase” the threads by threading one of the supplied jamb nuts onto the pointed end of the rod and running it to the other end to clear the threads.

The KLF 10 comes with fixed spikes, installed at the factory, with spike covers for hard floors. For best results on carpeted floors, remove these covers after determining the optimal location for your speakers.

**HOW TO CONNECT THE LEGEND SERIES TOWERS**

Switch your electronics OFF when making all connections! Connect your Legend KLFs to the “Front” or “Main,” left and right channels of your system’s power amplifier. Be sure to observe proper polarity (+ to + and - to -) and avoid having excess bare wire at the connectors which could short together causing possible amplifier damage. Refer to “About Speaker Wire Connections” for more details.

Bi-Wire or Bi-Amp Connections

The KLF 20 and KLF 30 are equipped with two pairs of input terminals to facilitate a bi-wire or bi-amp hookup. In both cases, separate speaker cables are used to carry the high and low frequency signals independently to each speaker. This results in a reduction in distortion and an increase in clarity and detail. Remove coupling straps for bi-wire or bi-amp connections.

In a bi-wire hookup, the high and low frequency cables are connected to the same channel of one power amplifier or receiver. Please consult your dealer for details regarding connection of multiple speaker cables to the speaker outputs of your specific amplifier. You can also use two pair of “Front” or “Main” speaker terminals on your amplifier (A and B) if they are internally wired in parallel.

In a bi-amp configuration, the high and low frequency cables are connected to separate amplifiers. This type of hookup can increase the dynamic range of your system because of the potential increase in available amplifier power for high and low frequency drivers. It also allows the use of two amplifiers with different tonal qualities to be used for the high and low frequency ranges. Since this often requires the use of differing brands of pre-amp and power amplifiers, which may not be compatible, consult your dealer for guidance.

Klipsch Legend Series Center Channel

The Legend KLF-C7 is designed specifically for use as a center channel. As such, it uses magnetic shielding in all of its drivers to minimize picture discoloration and distortion from stray magnetic fields.

PLACEMENT OF THE CENTER CHANNEL

The center channel should be placed above or below (or behind, in the case of a perforated front projection screen) the center line of the video screen since these sounds are intended to appear to be coming from the central area of the image. A center channel speaker improves the intelligibility of dialogue in complex passages and keeps these sounds anchored to the central area of the screen even when the viewing seat is not centrally located.

Installation of the KLF-C7 Feet

The KLF-C7 is supplied with a pair of adjustable feet to angle the speaker up or down depending on placement. Aim the speaker directly at listening height. If the KLF-C7 does not need to be angled, cover the threaded inserts on the bottom of the cabinet with the self-stick rubber pads supplied.

The Adjustable Foot Kit Contains:

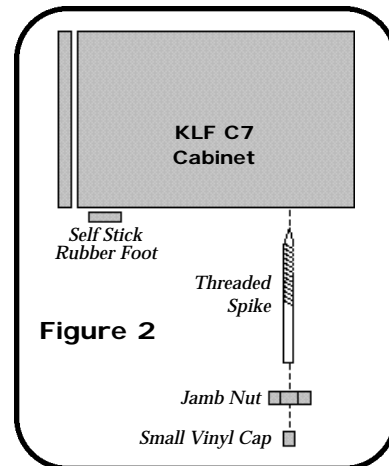
- 2-Threaded Spikes (one end pointed, the other blunt)
- 2-Jam Nuts
- 2-Vinyl Caps
- 4-Self-Stick Rubber Feet

For Low Placement, angle the KLF-C7 upward by screwing the two threaded rods into the inserts at the front edge of the cabinet.

For High Placement, angle the KLF-C7 down by screwing the two threaded rods into the inserts at the rear edge of the cabinet.

To Install the Adjustable Feet:

1. Thread the jamb nut onto the pointed end of the threaded spike.
2. Screw the threaded spikes (pointed end into the cabinet) into the appropriate inserts as described on the previous page.
3. Cover the exposed spike ends with the small vinyl caps to protect your television cabinet or shelf from being scratched or marred.
4. Adjust the length of the spikes to achieve the proper angle. Imagine that the speaker is a spotlight and you are aiming the beam at the seated ear height in the central listening area.
5. Gently tighten the jam nut to secure the spike.
DO NOT OVERTIGHTEN!
6. Cover the remaining, unused cabinet inserts with the self-stick rubber feet. **Refer to Figure 2.**



HOW TO CONNECT THE KLF-C7 CENTER CHANNEL

Switch your electronics OFF when making all connections! To use a center channel speaker, your receiver, or signal processor, must have a designated center channel output. Connect your KLF-C7 to the "Center Channel" output terminal of your system's power amplifier. Be sure to observe proper polarity (+ to + and - to -) and avoid having excess bare wire at the connectors, which could short together causing possible amplifier damage. **Refer to "About Speaker Wire Connections."**



Klipsch Dedicated Surround Speakers

Klipsch's dedicated surrounds are designed for use as surround sound speakers in home theater or multi-channel audio/video applications. They are NOT intended for use as main or front speakers (left, center or right).

Surround speakers work in combination with other speakers adding dynamic realism and special effects impact by virtue of their high efficiency and wide dispersion pattern. The surrounds' high sensitivity facilitates realistic sound levels (loudness) for surround-channel applications. A 3 dB increase in sensitivity is equivalent to doubling the wattage of your power amplifier.

Klipsch surround speakers feature the exclusive Wide-Dispersion Surround Technology™. This technology utilizes two horn tweeters aligned at 90° to one another to create an optimal 180° soundfield. The resulting wide and evenly dispersed soundfield delivers both the direct, localized sounds and the ambient effects that make it perfectly suited for rear channel surround applications. This unique Klipsch approach is ideal for the latest multi-channel 5.1 (Dolby Digital® and DTS®) soundtracks on DVD and laser disc formats, making Klipsch truly "Digital Ready."

PLACEMENT OF THE KLIPSCH SURROUND SPEAKERS

One of the principal advantages of Klipsch's unique Wide-Dispersion Surround Technology is greater placement flexibility. Due to the full 180° coverage pattern, you can place these speakers on the rear wall, side walls or even on the ceiling. The most common placement is on the side walls, adjacent to the listening/viewing area, or on the rear wall facing the front of the room. A height of approximately five to seven feet from the floor to the base of the cabinet is recommended.

An alternative placement would be on the ceiling either directly above or several feet behind the listening area. In a ceiling installation, the speaker can be oriented with drivers facing either the front and rear of the room or the side walls to compensate for room shape and layout. Optimal surround speaker placement is highly dependent upon individual room layout and the resulting acoustics. Experiment with speaker placement until you achieve a desirable balance of envelopment and directional cues. Consult your Klipsch dealer for more specific guidance on placement to suit your particular home theater room.

About Speaker Wire Connections

When making any type of speaker wire connection, be sure to observe the proper polarity. Most speaker wire 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 wire conductor is connected to the positive or negative connection of your equipment as long as you are consistent. Be sure that the connections from the amp to the speaker on all of the various channels of your system are connected in a like manner. Be careful not to have excess bare wire or loose strands of wire that could short from positive to negative as this could damage the speaker and amplifier.

If one speaker in a stereo pair is out of phase relative to the other (one speaker has the positive and negative terminals reversed), you will hear no center stereo image and a reduction in the amount of bass. To remedy this, check all the connections to make sure both speakers are connected to the amplifier in the same fashion, with positive to positive and negative to negative. High quality speaker cable can make an audible improvement in the sound of your speakers. Your Klipsch dealer can assist you with selecting the proper cable to ensure optimal performance from your loudspeakers.

Your Klipsch dealer can advise and consult on other combinations that will be well-matched, though the above system was designed and tested by Klipsch Engineering for the ultimate in home theater performance.

The demands of the latest source materials, such as six-channel motion picture sound and multi-channel music recordings, have made matched speaker systems of paramount importance. To duplicate all the effects movie directors and sound engineers have built into today's films, you need faithful reproduction of the original signals, precise directional information and accurate dynamic expression. Klipsch design specifies that each of its speakers meet these criteria.

Klipsch Legend Series Towers

The KLF 20 and KLF 30 towers are three-way designs using two distinct horn-loaded compression drivers, one for high frequencies and another for midrange frequencies. By optimizing each horn for the frequency range desired, Klipsch has achieved remarkable performance across a wide bandwidth. The new 90°x 60° Tractrix® Horn is mated to a 1.5" diameter compression driver for unparalleled dynamics, sensitivity and power handling. An exponential horn with a tighter 90°x 40° coverage pattern is used for frequencies above 7000 Hz and is connected to a high performance 1" compression driver.

The KLF 10 towers and KLF-C7 center channel utilize the same 90°x 60° Tractrix Horn design for even, controlled and consistent coverage of the mid and high frequencies in a two-way configuration. These models also use the high performance 1" compression driver for dynamic and detailed presentation.

All KLF series speakers use dual bass drivers that incorporate large, powerful magnet structures for high output. A proprietary mix of carbon graphite, polypropylene and Santoprene® result in an injection-molded cone that is rigid, light and well damped.

PLACEMENT OF THE LEGEND KLF TOWERS

Both speakers should be placed on the same wall of the room facing the listening area. Space the loudspeakers so they are between six and 15 feet apart. In a home theater system, some correlation between the size of the video image and the sonic image may dictate final placement of the speakers. For a higher quality stereo image, angle, or toe in, the speakers toward the listener. Some additional bass will result if you place the speakers in a corner or near a wall: This provides greater bass coupling due to the additional reflected energy from the walls and floor. Room acoustics vary, so experiment with specific placement within the room.

Installation of KLF 20 and KLF 30 Spike Feet

The larger KLF models have four threaded inserts, covered with a soft vinyl cap, on the bottom of the cabinet. If the speaker will be used on a hard surface, these caps should be left in place to provide a non-skid surface. Also included in the carton are four spike feet. The spike feet will enhance the performance of your KLF series loudspeaker by concentrating the weight of the speaker on the spikes, improving the mechanical connection to the floor (especially on carpet). This improves the definition, clarity and detail of the speaker by channeling cabinet vibration into the floor. The spikes are intended for use on carpet, but may also be used on hardwood, vinyl or tile floors. **Be advised that they will scratch or mar the floor's surface.** In either case, final positioning of the speaker should be determined before the spikes are installed. Mark the speaker's location on the floor with masking tape, install the spikes and reposition in the desired location.

Cut along dotted line and mail.

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

Name

Address

City/State/Zip

E-mail Address

Age _____ **Marital Status** Single Married Divorced

Highest Education Level High School College Graduate School

Did you purchase these speakers for Music Home Theater Both

What kind of music do you like?

Rock Classical Jazz New Age R&B Country Other

Dealer Name

Dealer Address

Dealer City/State/Zip

Date of Purchase

Model and serial number must be included to honor your warranty card.

Model _____ Serial Number _____

Model _____ Serial Number _____

Model _____ Serial Number _____

Model _____ Serial Number _____

Model _____ Serial Number _____

Model _____ Serial Number _____

Other speakers you own Brand _____ Bookshelf Floorstanding Custom

Other electronics you own (check as many as apply)

TV (screen size in inches) _____ Projection TV (screen size in inches) _____ AV amplifier

VCR Laser disc player CD player Cassette player Turntable Pre-amp DVD player

Audio amplifier Audio receiver Satellite dish Cable DSS (Digital Satellite)

Are you purchasing for New home Existing home - How long at existing home? _____

How did you hear about Klipsch speakers?