



**Klipsch**<sup>®</sup> INC.

AUDIO AND HOME THEATER PRODUCTS

KLIPSCH **LEGEND** SERIES<sup>™</sup>



OWNER'S MANUAL  
& WARRANTY

KLF 10<sup>™</sup>, KLF 20<sup>™</sup>, KLF 30<sup>™</sup>, KLF-C7<sup>™</sup>

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 over 50 years of engineering expertise and fine craftsmanship that make Klipsch "A Legend in Sound." These products represent the finest Klipsch tradition of sonic excellence and we expect your speakers to provide you with many trouble free years of listening enjoyment.

The Legend Series was developed using proven materials and technology, combined with the best of Klipsch tradition, to deliver extraordinary sound from today's demanding digital sources. Designed to meet the original objectives of Klipsch's founder, Paul W. Klipsch - provide reproduction of live music as realistic 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 speaker for extraordinary theater sound across the front. All Legend models offer accuracy, dramatic imaging, amazing dynamics and high efficiency that characterize the "like-live" Klipsch sound. By utilizing proven Klipsch horn technology in these speakers, our engineers gave Legend models the type of high quality sound that makes listening a truly memorable experience. The Legend models also feature hand-built wood veneer cabinets and fine wood finishes in a variety color choices to match most popular home decors.

Please take the time to fill out the enclosed questionnaire and warranty registration card. This information helps us to 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 we welcome your feedback.

Thank you for choosing Klipsch loudspeakers.

Sincerely,

*Fred S. Klipsch*

Fred S. Klipsch  
Chairman & CEO

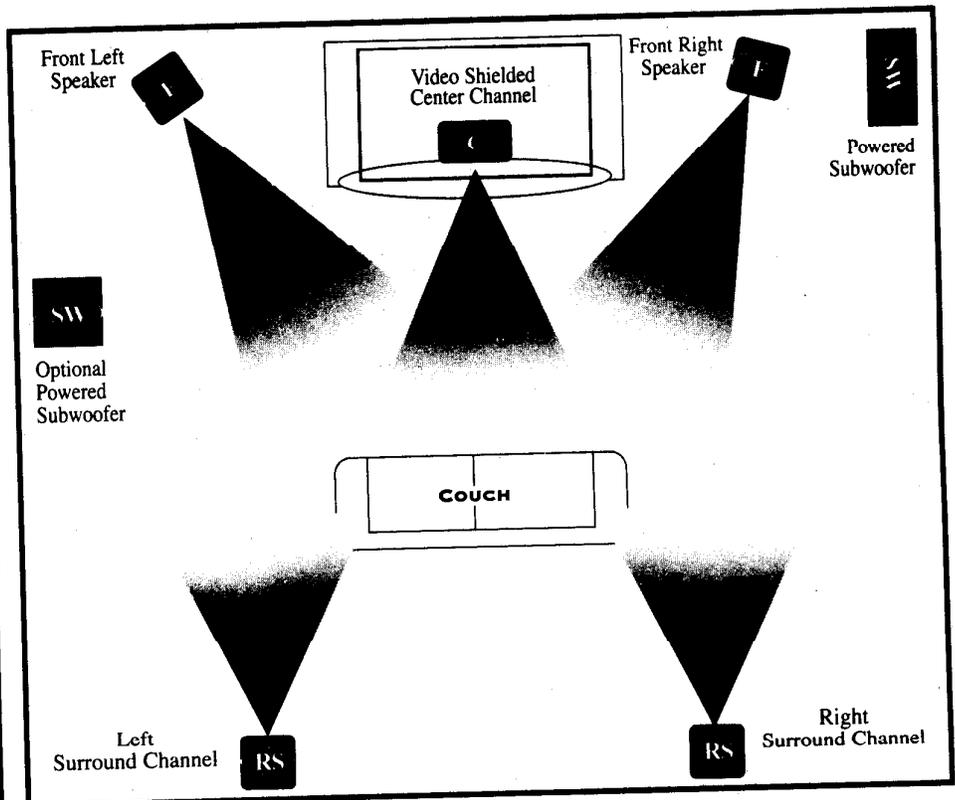
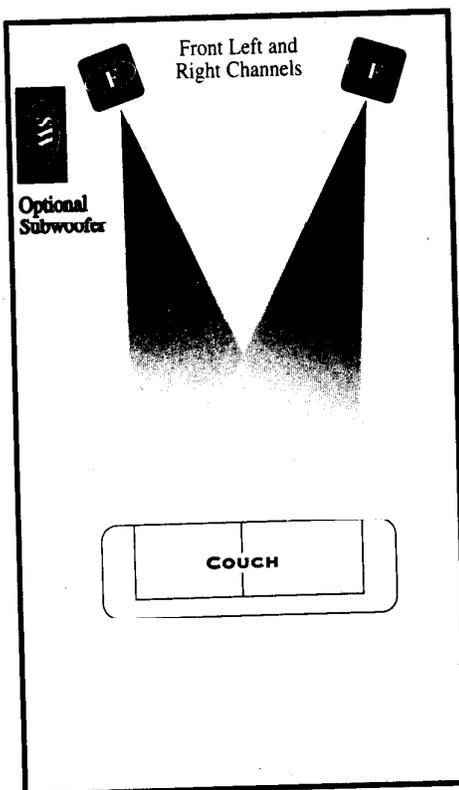
## PLANNING YOUR KLIPSCH HOME ENTERTAINMENT SYSTEM

Your new Klipsch speakers will enhance the performance of your home entertainment system, whether they are used with an audio or home theater system. For optimum performance speaker placement is a very important part of getting the most from your speakers. Please refer to the diagrams below as a general guide for how you should place your Legend speakers.

### Audio

### Audio/Home Theater

**F** Front Left and Right Channels    **RS** Left and Right Surround Channels    **C** Center Channel    **SW** Powered Subwoofer



## KLIPSCH COMPLETE HOME THEATER™

Klipsch has long been a leader in the area of loudspeakers for home theater, building on its earliest origins of developing custom sound systems for professional movie theaters. This inherent expertise is put to use in developing the best truly integrated speaker systems for home theater applications. While each Klipsch speaker must meet certain specific objective criteria on its own, it is the careful and deliberate design of all the speakers that results in the even and all-encompassing sound that separates an outstanding home theater from a mediocre one. This means that a system's speakers should be voice or timbre matched, so that their outputs have similar sonic characteristics. In this fashion, as sound information moves throughout the listening room it delivers a seamless, enveloping experience, drawing you into the movie itself and making the speakers and room environment disappear.



For truly **complete** home theater, Klipsch believes you need closely matched components that are capable of accurately reproducing the total range of human hearing. We firmly believe it is the careful integration of component loudspeakers in a home theater system that deliver optimal performance. Therefore Klipsch recommends the following grouping of components for *Klipsch Legend Home Theater*:

KLF 10	Front Mains (2)	KLF 20	Front Mains (2)	KLF 30	Front Mains (2)
KLF-C7	Center Channel (1)	KLF-C7	Center Channel (1)	KLF-C7	Center Channel (1)
KSF-S5	Rear Surrounds (2)	KSP-S6	Rear Surrounds (2)	KSP-S6	Rear Surrounds (2)
KSW200	Subwoofer (1)	KSW200	Subwoofer (1)	KSW300	Subwoofer (1)

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

The demands of the latest source materials with true movie theater soundtracks and discrete multi-channel sound have made the significance of truly matching speaker systems of paramount importance. To duplicate all the effects that movie directors and sound engineers have built into today's movies, you need precise reproduction of the original signals, precise directional information and accurate dynamic detail. Klipsch design specifies that each of its speakers meet these criteria.

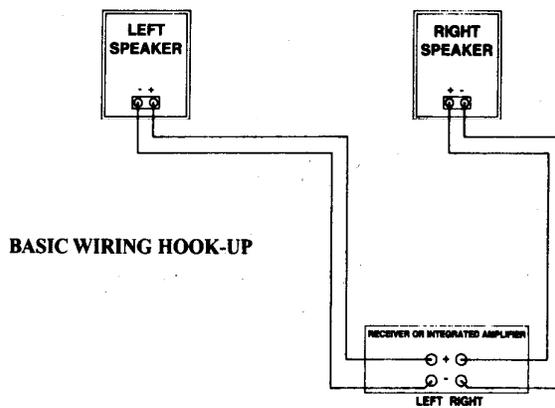
*Since the Legend KLF models are designed for a variety of applications we will review each application by model:*

## KLIPSCH L E G E N D - KLF 10™, KLF 20™ & KLF 30™ Main Speakers

The *Legend* Tower Main speakers are three-way designs (KLF 20 & KLF 30) using two distinct horn-loaded compression drivers, one for high frequencies and another for midrange frequencies, with dual high performance bass drivers for low frequencies. By optimizing each horn design for the frequency range desired, Klipsch achieved remarkable performance across a broad bandwidth. Klipsch engineers utilized a third generation Tractrix Horn® with a 90° x 60° coverage pattern for the best possible midrange and vocal performance, while using an exponential horn with a tighter 90° x 40° coverage pattern for high frequencies above 7000 Hertz. Both horns use 1" compression drivers for effortless and efficient reproduction of high and midrange frequencies. This design provides exceptional imaging and precise detail in the critical vocal ranges for sound that is as life like as it gets. A clean look is achieved with grille off or grille on with rear-firing, flared ports that also help deliver greater bass output and more low frequency impact. The KLF 10 uses a two-way design with a single Tractrix Horn® high frequency driver crossed over at 2300 Hertz to deliver stunning stereo imaging and detailed midrange reproduction. With high efficiency, low distortion, controlled directivity and flat frequency response, the KLF's deliver the sound that makes Klipsch famous. Klipsch is confident you will be pleased with these speakers and the continuing tradition of fine sounding Klipsch loudspeakers.

### HOW TO CONNECT LEGEND MAIN (Left and Right Front) SPEAKERS

1. Place the speakers in the front of your listening/viewing room with a separation between left and right speaker of not less than 6 feet, and generally oriented toward the listening position. Some additional bass will result if you place the speakers close to the corner as this provides greater bass coupling and reflected energy from the walls and floor.
2. Switch electronics to the "OFF" position.
3. Begin with the LEFT speaker. For the left main (front) loudspeaker, connect the wire from the BLACK (-) terminal to the electronics speaker output for the MAIN channel labeled: LEFT FRONT; LEFT MAIN; "A"; "Common"; "Ground"; "-" (negative); or colored BLACK.
4. Next connect the wire from the RED (+) left loudspeaker terminal to the electronics speaker output for the MAIN channel labeled: LEFT FRONT; LEFT MAIN; "A"; "8Ω"; "+" (positive) or colored RED. Most two conductor wire has some form of marking on the insulation to distinguish one conductor from the other. This can take the form of a stripe or ridge molded into the insulation or other distinguishing marks.
5. Move to the RIGHT speaker. For the right main (front) loudspeaker, connect the wire from the BLACK (-) terminal to the electronics speaker output for the MAIN channel labeled: RIGHT FRONT; RIGHT MAIN; "A"; "Common"; "Ground"; "-" (negative); or colored BLACK.
6. Next connect the wire from the RED (+) right loudspeaker terminal to the electronics speaker output for the MAIN channel labeled: RIGHT FRONT; RIGHT MAIN; "A"; "8Ω"; "+" (positive) or colored RED. Most two conductor wire has some form of marking on the insulation to distinguish one conductor from the other.



## BI-WIRE or BI-AMP Capability (KLF 20 & KLF 30 models only)

**BI-WIRE HOOKUP.** This is a connection method that reduces distortion and improves detail and stereo imaging. It involves the use of separate speaker cables to drive the low and high frequency drivers of the loudspeaker. The speaker must be equipped with separate high and low frequency connectors. In the case of a bi-wire hookup, both the high and low frequency speaker wires are connected to the same channel of one amplifier.

**BI-AMP HOOKUP.** In a bi-amp hook up you will have separate amplifiers for high and low frequencies. The speaker cable that is attached to the high frequency connections of your speaker is the hooked to the output terminals of the assigned high frequency amplifier. The same procedure is used to connect the low frequency amplifier. Bi-amping can provide an increase in dynamic capability because of the potential to increase the amount of power available for reproduction of loud musical peaks. It also allows you to use two amplifiers with dissimilar sonic characteristics to tailor the sound of the high and low frequency ranges to taste. Since this often requires the connection of differing brands of pre-amp and power amplifiers that may not be compatible, we suggest you consult your dealer for guidance.

## KLIPSCH **L E G E N D** KLF-C7™ CENTER CHANNEL

The *Legend* KLF-C7 is a speaker design specifically for use as a center channel. As such, it uses magnetic shielding in all its drivers to provide video shielding and therefore minimizes picture discoloration or deformation due to stray magnetic fields. A proper center channel should be on or as close to the video screen (TV) as possible, since these sounds are intended to appear as coming directly from the screen. A key example of this would be the dialogue between people in a motion picture. To use a center channel, your receiver, or signal processor, must have a designated center channel output.

### HOW TO CONNECT KLF-C7 CENTER CHANNEL SPEAKER

Good cable and connections will make an audible improvement in the sound of your speakers. Consult your dealer for their recommendation.

1. Locate the speaker as close to the television screen as possible centered above or below the screen. Your KLF-C7 center speaker incorporates design features to direct the sound toward the height of your ears when you are seated in front of your video display.

The KLF-C7 is supplied with a pair of adjustable feet to angle the speaker either up or down, depending on placement. Use the adjustable feet to aim the speaker directly at the listening height. If the KLF-C7 does not need to be angled, affix the four stick on rubber pads supplied over all four threaded cabinet inserts. (See figure #2 on the Accessory Pack page)

**For Low Placement** (See figure 3 on Accessory Pack page): Angle the KLF-C7 upward by screwing the two threaded rods into the threaded inserts at the front bottom edge of the cabinet.

**For High Placement** (See figure 3 on Accessory Pack page): Angle the KLF-C7 downward by screwing the two threaded rods into the threaded inserts at the bottom rear of the cabinet.

To Insert Threaded rods:

- A. Screw the threaded rods (pointed end into the cabinet) into the threaded inserts as described above. Use a small flat bladed screw driver if necessary.
  - B. Thread Jam nut onto the threaded rod
  - C. Adjust the length of the rods for proper angle. Imagine that the speaker is a spotlight and you are aiming the beam at the listening area.
  - D. Gently tighten the jam nut to secure the rod. **DO NOT OVER TIGHTEN!**
  - E. Cover the exposed rod ends with the small vinyl caps to prevent marring of your television cabinet or shelf.
  - F. Cover the remaining threaded cabinet inserts with two of the stick-on rubber feet. (See figure 3 on Accessory Pack page)
2. Switch electronics to "OFF" position.
  3. From the center loudspeaker, connect the wire from the BLACK (-) terminal to the electronics speaker output for the CENTER channel labeled "common", "ground", "-" (negative) or colored BLACK.
  4. Next connect the wire from the RED (+) loudspeaker terminal to the electronics speaker output terminal for the CENTER channel labeled "8Ω", "+" (positive), or colored RED. Most two conductor wire has some form of marking on the insulation to distinguish one conductor from the other. This can take the form of a stripe or ridge molded into the insulation or other distinguishing marks.
  5. Your Klipsch dealer can help you with the selection of proper high quality cable to ensure optimal connections and ease of use.

## KLIPSCH DEDICATED SURROUND SPEAKERS

Klipsch's dedicated surrounds are intended for use as surround sound speakers, designed as rear or side surrounds in home theater applications, or a multi-channel audio video system. They are NOT intended for use as main or front speakers (left, center, or right speaker). They work in combination with other speakers, adding dynamic realism and special effects impact by virtue of their high efficiency, making the most of the lower current outputs common with surround channels on many electronic components. These speakers have a high sensitivity level "a measure of efficiency", resulting in good sound levels (loudness) in surround applications. A 3 dB increase in sensitivity is equivalent to DOUBLING the amount of amplifier power needed to achieve the same loudness (volume output)! They feature Klipsch's exclusive *Wide-Dispersion Surround Technology™*, which utilizes an array of drivers to create an optimal 180° sound field through the use of two horn tweeters aligned at 90° to one another, with a bass driver between the horns. The resulting widely dispersed sound field is perfectly suited for rear channel surround applications. This unique Klipsch approach provides both good ambient sound and directional information, making Klipsch surrounds ideal for the latest multi-channel 5.1 Audio (Dolby Digital (AC-3) and DTS) soundtracks on DVD and laser disc formats, making Klipsch "Digital Ready."

### HOW TO CONNECT KLIPSCH SURROUND SPEAKERS

Good cables and connections will make an audible improvement in the sound of your surround speakers. Your dealer can assist you in selecting cables that best meet your needs, including many designed specifically for surround speakers which are easily hidden or offer cleaner appearance.

1. Surround Speaker Placement - One of the principal advantages of Klipsch's unique *Wide-Dispersion Surround Technology™* is greater placement flexibility. Due to the full 180° sound field you can place these speakers on rear walls, side walls and even the ceiling if necessary. The most common placement for most home theater rooms is either on the side walls, adjacent to the listening/viewing position, or on the rear walls toward the corners of the room, at a height of approximately 6 to 8 feet from floor level.

An alternative placement would be on the ceiling above the listening position either directly overhead or several feet behind. In a ceiling installation the speaker can be oriented with drivers facing either the front/rear in the room, or facing the side walls to compensate for room shape or layout. Because of this we recommend experimenting with speaker distance separation until you achieve the balance and directional cues you want.

Optimal surround speaker placement is highly dependent upon individual room layout and the resulting acoustics. Consult your Klipsch dealer for more specific guidance on placement to suit your particular home theater room.

2. Switch electronics to "OFF" position. Your Klipsch surround speaker should be connected to the speaker level connections labeled SURROUND or REAR channel on your A/V receiver or multi-channel amplifier. Maintaining consistent polarity (+) and (-) on both LEFT and RIGHT sides is important for proper operation of your sound system. \*\*Make sure when connecting to a Dolby Digital (AC-3) system that the correct REAR channel speaker wire is connected to the proper sides, LEFT and RIGHT, when you are seated in the listening position.
3. For the left surround loudspeaker, connect the wire from the BLACK (-) speaker terminal to the electronics speaker output terminal labeled REAR LEFT or LEFT SURROUND channel, or marked "-", or colored BLACK.
4. Next connect the wire from the RED (+) loudspeaker terminal to the electronics speaker output terminal labeled REAR LEFT or LEFT SURROUND channel, or marked "+", "8Ω", or colored RED. Most two conductor wire has some form of marking on the insulation to distinguish one conductor from the other. This can take the form of a stripe or ridge molded into the insulation or other distinguishing marks.
5. The surround speakers should be placed as indicated in the diagram for home theater set-up. Surrounds are used to create ambient and directional effects, adding to the feeling that you are "part of the action" when watching a movie, and proper placement is essential to achieve the full benefits of surround sound.

# Klipsch Limited Warranty



KLIPSCH, INC., ("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 whom you purchased this product. If your dealer is not equipped to perform the repair of your KLIPSCH product, it can be returned, freight prepaid, to KLIPSCH INC., 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.

REPAIR OR REPLACEMENT AS PROVIDED UNDER THIS WARRANTY IS 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 PARTICULAR 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.

Please complete the enclosed warranty card and mail it to Klipsch, Inc., P.O. Box 688, Hope, Arkansas, 71802.

## SPECIFICATIONS

### LEGEND

#### KLF-C7™

##### Center

FREQUENCY RESPONSE: 70 Hz - 20 kHz  $\pm$  3 dB  
SENSITIVITY: 99 dB @ 1 watt/1 meter  
NOMINAL IMPEDANCE: 8 ohms  
CROSSOVER FREQUENCY: 2.0 kHz  
POWER HANDLING: 100 watts maximum continuous (400 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 40° Tractrix Horn® and two 8" (20.32 cm) K-1062-V magnetically shielded woofers  
FINISH: Light Oak, Medium Oak, Black Satin  
DIMENSIONS:  
WEIGHT: 38 lbs. (17.25kg)  
HEIGHT: 11" (28 cm)  
WIDTH: 27.2" (69 cm)  
DEPTH: 9.12" (23.18 cm)

### LEGEND

#### KLF 10™

##### Front Main

FREQUENCY RESPONSE: 32 Hz - 20 kHz  $\pm$  3 dB  
SENSITIVITY: 98 dB @ 1 watt/1 meter  
NOMINAL IMPEDANCE: 8 ohms  
CROSSOVER FREQUENCY: 2300 Hz  
POWER HANDLING: 100 watts maximum continuous (400 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  
FINISH: Light Oak, Medium Oak, Black Satin  
DIMENSIONS:  
WEIGHT: 65 lbs. (29.5 kg)  
HEIGHT: 38.75" (98.43 cm)  
WIDTH: 12" (30.5 cm)  
DEPTH: 16" (40.6 cm)

# SPECIFICATIONS

## L E G E N D

### KLF 30™

#### Front-Main

**FREQUENCY RESPONSE:** 36 Hz – 20 kHz ± 3 dB  
**SENSITIVITY:** 102 dB @ 1 watt/1 meter  
**NOMINAL IMPEDANCE:** 8 ohms  
**CROSSOVER FREQUENCY:** 825 Hz & 7.0 kHz  
**POWER HANDLING:** 200 watts maximum continuous (800 watts peak)  
**ENCLOSURE TYPE:** Bass reflex design 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 (3.81cm) K-52 midrange compression driver with a 90° x 60° Tractrix Horn® and two 12" (30.48 cm) K-31 woofers with oversize magnet structure  
**FINISH:** Light Oak, Medium Oak, Black Satin  
**DIMENSIONS:**  
**WEIGHT:** 102 lbs. (46.3kg)  
**HEIGHT:** 45.25" (115 cm)  
**WIDTH:** 14" (35.56 cm)  
**DEPTH:** 16" (41 cm)

## L E G E N D

### KLF 20™

#### Front-Main

**FREQUENCY RESPONSE:** 34 Hz – 20 kHz ± 3 dB  
**SENSITIVITY:** 100 dB @ 1 watt/1 meter  
**NOMINAL IMPEDANCE:** 8 ohms  
**CROSSOVER FREQUENCY:** 750 Hz & 7.0 kHz  
**POWER HANDLING:** 200 watts maximum continuous (800 watts peak)  
**ENCLOSURE TYPE:** Bass reflex design 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 (3.81cm) K-52 midrange compression driver with a 90° x 60° Tractrix Horn® and two 10" (25.4 cm) K-1036 woofers with oversize magnet structure  
**FINISH:** Light Oak, Medium Oak, Black Satin  
**DIMENSIONS:**  
**WEIGHT:** 86.5 lbs. (39.27kg)  
**HEIGHT:** 40.75" (103.51 cm)  
**WIDTH:** 12" (30.5 cm)  
**DEPTH:** 16" (41 cm)

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

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_

Zip \_\_\_\_\_

Age \_\_\_\_\_

Marital Status  Single  Married  Divorced

Highest Education Level  High school  College  Graduate

Did you purchase these speakers for  Music  Home Theater  Both

What kind of music do you like? (please check one only)  Rock  Classical  Jazz  New Age  RB  Country  Other

Dealer Name \_\_\_\_\_

Dealer Address \_\_\_\_\_

Dealer City \_\_\_\_\_

State \_\_\_\_\_

Zip \_\_\_\_\_

Date of Purchase \_\_\_\_\_

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

Model \_\_\_\_\_

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

Other speakers you own Brand \_\_\_\_\_  Bookshelf  Floor standing  Custom

Other electronics you own (check as many as apply)

TV (screen size in inches) \_\_\_\_\_  Projection TV (screen size in inches) \_\_\_\_\_  A/V 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?

Magazine  Dealer Advertising  TV  Friend  Dealer Recommendation  Builder



**Klipsch**

8900 Keystone Crossing, Suite 1220 • Indianapolis, Indiana 46240 • 1-(800) KLIPSCH

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.

# 193082 8M 797

Klipsch, Inc.  
8900 Keystone Crossing, Suite 1220  
Indianapolis, Indiana U.S.A. 46240

Place First Class  
Postage Stamp  
Here