



AUDIO AND HOME THEATER PRODUCTS

KLIPSCH SYNERGY SERIES

PREMIERE



OWNER'S MANUAL
& WARRANTY

KSP 300 KSF C5 KSF S5



Dear Klipsch Synergy Premiere Owner,

Congratulations on your purchase of *Klipsch Synergy Premiere*™ loudspeakers! You have selected one of the finest loudspeakers made, a tribute to over 50 years of engineering expertise and fine craftsmanship that makes Klipsch “A Legend in Sound®.” This family of products represents the state-of-the-art in loudspeaker design emphasizing a completely integrated approach for exceptional home theater performance.

The *Klipsch Synergy Premiere Series* was developed to create the finest home theater experience possible, with the “front row center” sound for which Klipsch is famous. Our goal was to develop the best possible recreation of the sonic experience of an actual movie theater environment. Klipsch technology makes the most of the many recent advances in digital technology for audio and video that bring the home theater closer to the experience you enjoy at the local cinema. By placing a powered subwoofer in the base of each tower speaker we have effectively placed two subwoofers in the room, all within the footprint of the two main speakers. This results in a system with tremendous dynamic range and remarkably life-like performance. The perfectly matched KSF-C5™ center and KSF-S5™ dedicated rear surround speakers which utilize Klipsch’s exclusive *Wide Dispersion Surround Technology*™ complete the system. This is a home theater system that meets Klipsch’s demanding criteria for sonic performance. Traditional Klipsch efficiency and acoustic design integrity means this full set of matched loudspeakers creates an all-encompassing sonic experience that will thrill and please you for many years.

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 require more information on *Synergy Premiere* or any other Klipsch product, please contact us. We will be happy to assist you, and welcome your feedback.

Thank you for choosing Klipsch loudspeakers.

Sincerely,

A handwritten signature in cursive script that reads 'Fred S. Klipsch'.

Fred S. Klipsch
Chairman & CEO

PLANNING YOUR KLIPSCH HOME ENTERTAINMENT SYSTEM

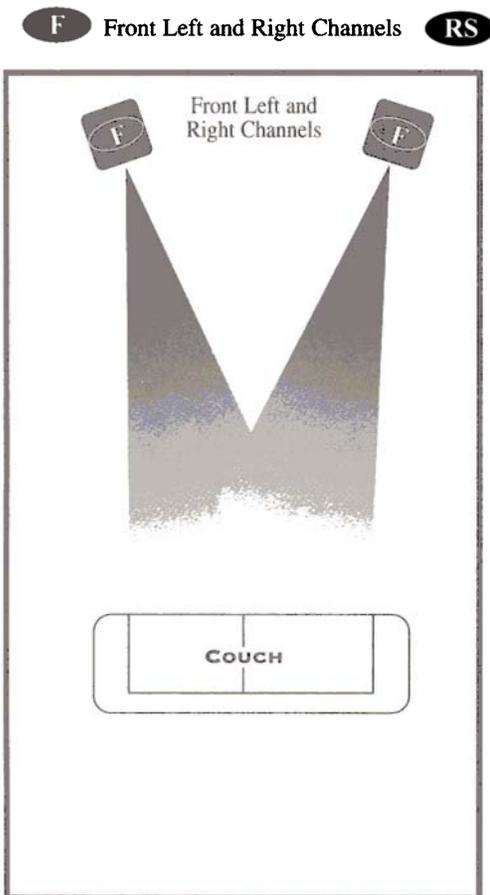
Your new Klipsch speakers will enhance the performance of your home entertainment system, whether they are used as an audio or home theater system. For optimal performance, placement is a very important part of getting the most from your speakers. Please refer to the diagrams that follow as a **general**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

KLIPSCH COMPLETE HOME THEATER™

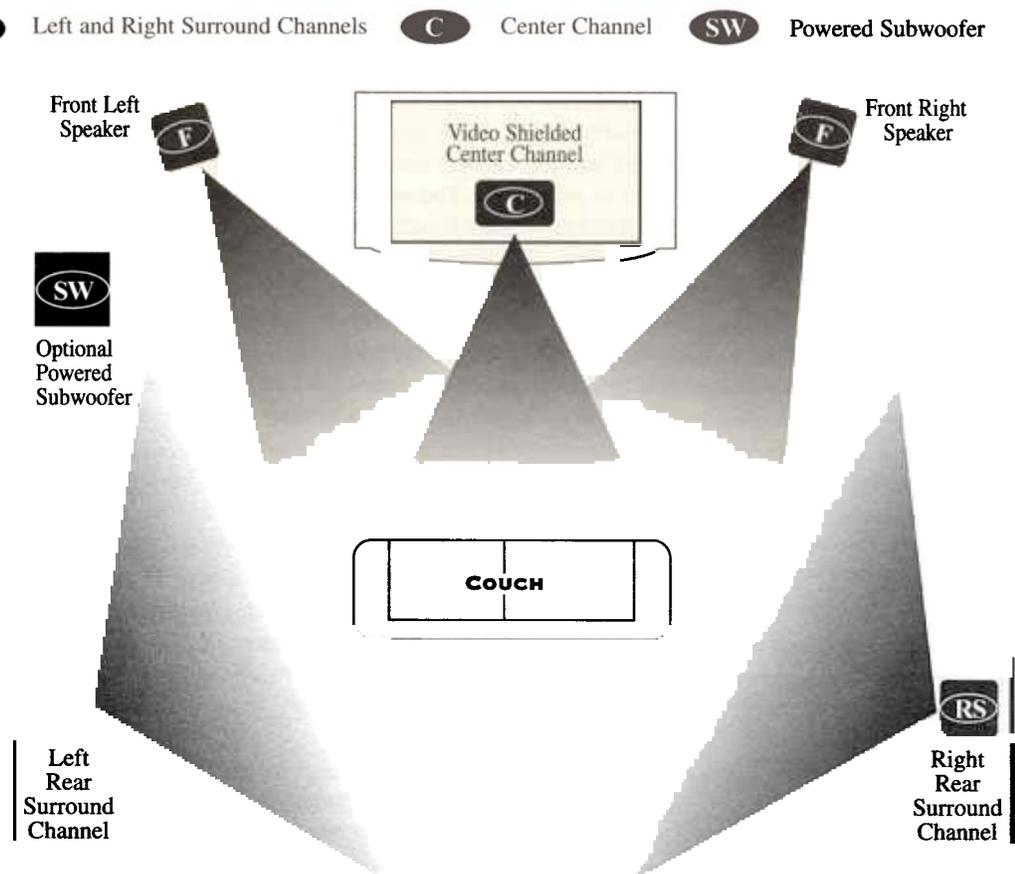
Klipsch has long been a leader in the area of loudspeakers for home theater, building on its early development of custom sound systems for professional movie theaters. This technical expertise is put to use in developing the best truly integrated speaker systems for home theater applications. While each Klipsch speaker must meet certain specific performance criteria on its own, it is the careful and deliberate design of the entire system that results in the even and all-encompassing sound that separates an outstanding home theater system from a mediocre one. This means that a system's speakers should be voice or "timbre matched" so that their resulting outputs have similar sonic characteristics. Thus, as sound information propagates through the listening room it delivers a seamless, enveloping experience, making the speakers and room environment seemingly disappear.

The demands of the latest source materials with true movie theater quality soundtracks and discrete multi-channel sound have made properly matched 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 signal. It is important to recreate a combination of direct and diffuse sound and have accurate reproduction of dynamic contrasts. Klipsch design specifies that each of its speakers meet these criteria.

Audio



Audio/Home Theater





For truly **complete** home theater, Klipsch recommends the following grouping of components:

- 2) KSP 300™ Front Mains
- 1) KSF-C5™ Center Channel
- 2) KSF-S5™ Rear Surrounds

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



Note: For persons seeking even greater bass impact and low frequency sound effects from rear channels of 5.1 channel (Dolby Digital® or DTS®) capable electronics, an **optional** rear channel subwoofer may be added to the above system. Consult your Klipsch dealer regarding this option.

Since the Klipsch Synergy KSP and KSF models are designed for a variety of applications we will review each application by model:

KLIPSCH Synergy Premiere KSP 300 Main Speakers

The Klipsch Synergy Premiere KSP 300 main speaker is a hybrid design using a passive two-way high frequency and mid-bass section which is driven with your external power amplifier. The subwoofer section is driven by an internal power amplifier. It may be connected to either amplified, high level (speaker) outputs, or line level (pre-amp) outputs, but is always driven by its own internal power amplifier. The combination of the two sections in the single enclosure essentially creates a three-way loudspeaker system. A sophisticated crossover network is used to send information below 120 Hz to the subwoofer, below 2600 Hz to the mid-bass driver and the information above 2600 Hz to the Tracrix® Horn tweeter.

This three-way system uses two separate chambers within the enclosure. The upper portion houses the mid-bass and high frequency section, with a 6.5 inch mid-bass driver and Klipsch's exclusive Tracrix Horn technology. Our Tracrix Horn utilizes a one inch compression driver for easy and efficient reproduction of the high and upper midrange frequencies. This design provides exceptional stereo imaging and precise detail in the critical vocal ranges for sound that is truly life-like. The lower portion, and much of the internal cabinet volume, is devoted to providing the necessary back air chamber for powerful low bass output from the built-in subwoofer. The bass section (subwoofer) utilizes a discrete output stage 150 watt amplifier (300 watt peak power) driving a side-firing 12 inch woofer.

Apart from their acoustic performance, these speakers set a new standard in cosmetic detail, fit and finish, and contemporary design in wood cabinet construction. Tall and narrow, the KSP 300 is less than nine inches wide but stands 42 inches tall. This height places the high frequency drivers at the proper listening height for the combined coverage pattern of the horn and mid-bass driver. Available in fine wood finishes, the KSP 300 is a stunning example of a state-of-the-art loudspeaker.

With high efficiency, low distortion, controlled directivity (controlled coverage pattern) and flat frequency response, the KSP 300 delivers the sound for which Klipsch is famous. Klipsch is confident you will be pleased with these speakers and the continued tradition of fine sounding Klipsch loudspeakers.

SPEAKER SUPPORTS - Spiked Feet and Covers

The KSP 300 is shipped with two foot options, both of which are already installed on the speakers. For hard floor surfaces, use the supplied plastic spike covers to avoid marring or scratching the floor. If your speakers are to be used on carpeting, remove the covers and allow the spikes to penetrate the carpet and contact the sub-floor. Klipsch recommends the use of the spike feet where possible for best sonic performance.

By concentrating the weight of the speaker on the spikes, an improved mechanical connection to the floor is achieved (especially on carpeting). This improves the definition, clarity and detail of the speakers' musical reproduction by channeling cabinet vibration into the floor. The spiked feet also provide an improvement in the speakers lateral stability on carpeted surfaces. The spikes are intended for use in carpeted rooms, but with care, can be used on hardwood, vinyl or tile floors. Be advised that they will scratch or mar the floor surface. If the spikes are to be used, mark the optimal (predetermined) speaker location on the floor with masking tape and then position the speaker as desired. **WHEN USING THE SPIKE FEET, DO NOT ATTEMPT TO MOVE OR TILT THE SPEAKER WITHOUT COMPLETELY LIFTING ALL FOUR SPIKED FEET OFF THE FLOOR! The speaker is very heavy. Enlist the aid of an assistant to move or reposition the speaker if the spikes will be used.**

PLACEMENT of the KSP 300

Both speakers should be placed on the same wall of the room facing the listening position. Space the loudspeakers so they are between six and 15 feet apart with the tweeters as close to ear level as possible. The desired spread between the speakers may be different for home theater applications than it would be for a system that is only used for the playback of two channel music sources. Some correlation between the size of the video image and the sonic image may dictate the final placement of the speakers. For a higher quality stereo image, the speakers should be angled, or toed in, toward the listener. **Some additional bass will result if you place the speakers in a corner or near a wall as this provides greater bass coupling and reflected energy from the walls and floor.** Room acoustics vary, so experiment with specific placement within the room. The KSP 300 cabinets are mirror images with respect to the orientation of the subwoofer driver. They are labeled “**Left**” and “**Right**” (indicated by an L or R following the serial number). In most situations where the speakers will flank cabinetry (entertainment center) or a television, orient the subwoofers to fire outward away from each other. However, there are circumstances where having the subwoofers firing inward toward one another will deliver better performance. An example would be where there are no obstructions between the speakers, and they are widely spaced near side walls.

HOW TO CONNECT the KSP 300

Unplug and switch “**OFF**” the power to all of your electronics, including the power switches on the control panels of both KSP 300 speakers.

AC Power

A detachable AC power cord is supplied with your KSP 300. (Note: 230 volt export version is not supplied with an AC power cord.) Install the female end into the recessed socket on the lower right-hand corner of the amplifier panel (refer to **figure A**). For safety reasons, this cord and all other connections should be unplugged from the back panel of the speaker if it's being moved to a new location, eliminating the tripping hazard. Since your KSP 300's have an internal power amplifier to drive the subwoofer, each speaker must be plugged into a nearby AC wall outlet. A three-prong grounded outlet is recommended wherever possible (see #7 in the troubleshooting section below). **Note: Avoid extremely long extension cords of small gauge since they can reduce the amount of current available to the amplifier, degrading its performance and presenting a potential fire hazard.**

Connect your KSP 300s to the “**Front**” or “**Main**” left and right channels of your systems power amplifier. Be sure to observe proper polarity (+ to + and - to -) and avoid having excess bare wire at the connectors (refer to “**About Speaker Wire Connections**”).

About Speaker Wire Connections

When making any type of speaker wire connection, be sure to observe the proper polarity when connecting the wires. Most speaker wire is color coded or has some distinguishing marking to differentiate the two conductors. Speaker wire connectors on most loudspeakers and amplifiers are also color coded. Typically, RED is positive (+) and BLACK is (-), or ground. It does not matter which conductor of the speaker wire is connected to the positive or negative terminals 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 + to - as this could damage the speaker and your amplifier.

If one speaker in a stereo pair is out of phase (one speaker has the positive and negative terminals reversed) relative to the other, you will hear no center stereo image and there will be a reduction in the amount of bass produced. To remedy this situation, 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 (refer to solid lines on **Figure B**).

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.

Speaker Wire / High Level Hookups

The simplest connection is to run a pair of speaker wires (one from each speaker) from the main LEFT and RIGHT channels of your amplifier to **either** of the two pairs of **Red** and **Black** binding posts located on the control / input panel on the back of your KSP 300. The gold metal coupling straps that tie these connectors together **must remain in place** for this type of connection (refer to **solid lines on figure B**).

The KSP 300 is bi-wire capable, i.e. the tweeter and mid-bass drivers can be powered independently from the subwoofer section. Loosen the red and black plastic input connectors and remove the gold jumper straps that link the “Low In” and “Hi In” binding posts on the amplifier panel. Bi-wire connections can result in improvements in the clarity and detail of your speakers. Please consult your dealer for details regarding connection of multiple speaker cables to the speaker outputs of your specific amplifier (refer to solid and dashed lines on figure B).

Line Level Connections - Subwoofer Section

The KSP 300 is also equipped with two line level inputs that drive the subwoofer only. They are labeled: “Line In” and “LFE In”. These connections should be made using a shielded cable terminated with RCA phono plugs: The gold metal coupling straps on the speaker binding posts should be removed (refer to dotted and dashed lines on figure C).

The “Line In” jack should be connected to a (non-filtered) full-range subwoofer output of your receiver or preamp / processor. This signal should contain the normal bass information present in the main left and right channels (refer to dashed line on figure C).

The LFE jack is typically used with the newest 5.1 (six channel) surround sound systems (Dolby Digital® and DTS®). It is a discrete low frequency effects channel with different signal information than the bass frequencies present in all other channels. Since the information in this channel can be up to 10 decibels louder than the signal in other channels, a separate LFE level control is provided to prevent it from overloading the subwoofer system. The LFE input and Line input are summed together so both connections may be used at the same time if your electronics provide you with both outputs (refer to dotted line on figures B and C).

Note: If only the LFE input is used to drive the subwoofer, the LFE Level control will now be the volume control for the subwoofer. With this configuration, the Level control will be bypassed. The input sensitivity of the LFE input is lower than that of the Line In input. A reduced subwoofer volume will result with the same amount of control rotation (relative to the main “Level” control).

A combination of speaker level and line level connections can also be used. For example, if you are connecting your KSP 300's to the electronics possessing all of the outputs mentioned above, you must first remove the speaker wire coupling straps from the binding posts on the control / input panel on the rear of each speaker. You could then use a speaker cable to connect to the “Hi In” speaker terminals to drive the tweeter and midbass and a shielded interconnect cable to connect the “Line In” (and “LFE In” if available) to feed the subwoofer (refer to solid, dashed and dotted lines on figure C).

CAUTION: DO NOT USE THE “LINE IN” AND THE “LOW IN” SUBWOOFER INPUTS SIMULTANEOUSLY! “LFE IN” CAN BE USED IN COMBINATION WITH THE “LOW IN” INPUT.

OPERATING CONTROLS AND SETTINGS - KSP 300 - Refer to figure A.

Power Switch

Located on the rear control panel of the KSP 300, the power switch turns the subwoofer amplifier on and off. The KSP 300 should be unplugged and in the “OFF” position during the installation and connection procedure. When the switch is in the “AUTO” position, the KSP 300 subwoofer section turns itself on when it receives a signal from your system. If no signal is sent to the sub for a period of 20 minutes, the subwoofer section will turn itself off (standby mode). For normal use, the switch should be left in the “AUTO” position. A Green light indicates the standby mode in which the amplifier will turn on when it senses a signal. A Red light indicates that the amplifier is on and receiving a signal. No light indicates that the power is off.

Level

The “Level” control is the volume control for the subwoofer section of the KSP 300. This control knob adjusts the volume level of the subwoofer relative to the mid-bass and high frequency drivers. This allows the user to vary the amount of bass output to compensate for variations in room acoustics and personal taste. The “Level” control affects the signals that are connected to the “Line In” jack and the “Low In” (speaker level) binding posts. This control does not affect the volume level of the mid-bass and high frequency section or the signal fed to the “LFE In” input.

For maximum flexibility, we also provide “Line Out” and “LFE Out” output jacks so that one KSP 300 may be daisy chained to either another KSP 300 or to some other peripheral audio component. These jacks output the same signal that is fed into the “Line In” and “LFE In” inputs.

NOTE: Suggested control position for initial set-up: 9 o’clock



CAUTION: Avoid extreme clockwise (higher) adjustment of this control to prevent overdriving and damaging the subwoofer amplifier and its woofer.

LFE Level

The “LFE Level” control adjusts the volume of the Low Frequency Effects signal from a 5.1 (six channel Dolby Digital® or DTS®) type system, independently of the main “Level” control. This control only affects the signals connected to the “LFE In” jack. These signals are mixed with the bass signals that are fed into the “Line in” or “Low In” inputs. It is important to note that LFE signals can be up to 10 decibels louder than the main channel bass signals (requiring a tenfold increase in amplifier power). This control provides a means to balance the LFE signal level to properly blend with the standard bass signal level.

NOTE: Suggested control position for the initial set-up: 8 o’clock



CAUTION: LFE signals contain extreme low frequency information. Avoid extreme clockwise (higher) adjustments of the “LFE Level” control to prevent overdriving and damaging the subwoofer amplifier and its woofer.

TROUBLESHOOTING THE SUBWOOFER SECTION OF YOUR KSP 300

If there is no output from one or both of the KSP 300 subwoofers:

Double check that your power (AC) cords are connected and the systems connections are correct.

2. Make sure that the Power Switch on the rear control panel of both units is set to the “On” or “Auto” position.
3. Make sure the subwoofer level control on each unit is turned up. Avoid extreme clockwise adjustments of this control to prevent speaker damage.
4. Check the LED power light located on the control panel. **Green** indicates a “standby” mode in which the amplifier will turn “On” when it senses a signal. **Red** indicates “On” and receiving a signal. If the LED is not lit, unplug the subwoofer and check the AC fuse. Be sure to replace the fuse with one of identical value. The fuse value and type is printed on the control panel near the fuse holder.
5. The KSP 300 subwoofer power amplifier is protected by a thermal sensor. If the unit is run for extended periods beyond its designed power rating, the thermal sensor will activate and shut down the subwoofer. If this occurs, turn the power switch to the “Off” position, reduce the volume and wait five minutes before restarting the system.
6. If the subwoofer is connected to your electronics with speaker cable (the “Low In” input) check for a polarity reversal at both ends of the speaker wire on both channels. Incorrect polarity will result in diminished low frequency output when both loudspeakers are operating.
7. If you experience a noticeable hum when the subwoofer section is connected to your system, try installing the supplied three-to-two prong AC adapter on the power cord to the subwoofer. (Note: 230 Volt export version is not supplied with this adapter.) If you are still experiencing difficulties or problems, consult your authorized Klipsch dealer.

Klipsch Synergy - KSF-C5™ Center Channel Loudspeaker

The Synergy Series KSF-C5 is a speaker that is optimized for use as a center channel. As such, it uses magnetic shielding on all of its drivers to minimize picture discoloration or distortion due to stray magnetic fields.

PLACEMENT OF THE KSF-C5 Center Channel Loudspeaker

Proper placement of the center channel speaker should be on or as close to the video screen (TV) as possible. This is because the center channel sounds are intended to appear as if they are coming directly from the central area of the screen. A key example of this would be dialogue in a motion picture soundtrack.

Your KSF-C5 center channel incorporates two design features to direct the sound toward the height of your ears when you are seated in front of your video display.

For high placement - When positioning the center speaker on top of a projection television or high shelf (putting the loudspeaker significantly above the listening height), angling the speaker downward is desirable. Included in the package with your speaker is a threaded rod (with a vinyl boot on one end) and a jam nut. Thread the jam nut onto the rod and screw the non-capped end of the rod into the flush threaded insert on the bottom rear of the cabinet. This permits the adjustment of the downward tilt angle so the speaker can be aimed directly at the listening location. Adjust the height of the rod to achieve the desired downward tilt angle and gently snug the jam nut to hold this position. **Do not overtighten the jam nut as the threaded insert can be stripped out of the cabinet!**

For low placement - Inverting the speaker so that it rests on the angled top portion of its cabinet will direct the sound upward to compensate for a low placement height. A typical example would be placing the speaker on a low shelf under a direct view television. The grille can then be installed in an inverted position so the Klipsch logo is properly oriented.

For use on top of a television set or shelf, there are self-stick rubber feet included in the package. These feet are intended to protect your furniture or television and provide a non-skid surface for the speaker. If the speaker will be positioned so that the leveling foot is not used, cover the threaded insert hole on the bottom of the cabinet with one of the supplied feet.

HOW TO CONNECT the KSF-C5 Center Channel Loudspeaker

To use a center channel speaker, your receiver, or signal processor, must have a designated center channel output.

Switch your electronics OFF when making all connections!

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 loudspeaker. Connect your KSF-C5 to the “Center” channel output terminals of your systems power amplifier. Be sure to observe proper polarity (+ to + and - to -) and avoid having excess bare wire at the connectors that could short together causing possible amplifier damage (refer to “About Speaker Wire Connections”).

Klipsch Synergy KSF-S5 Surround Speakers

The Klipsch Synergy KSF-S5 speakers are designed for use as surround or rear channel speakers in home theater applications. They are **NOT** intended for use as main or front speakers (left, center or right speaker). They work in combination with the front channel speakers, adding dynamic realism and special effects impact by virtue of their high efficiency. The Synergy KSF-S5's make the most of the lower power outputs common in the surround channels of many electronic components. These speakers have a high 93 dB sensitivity level (equivalent sound energy) making it easier to achieve the required volume levels with smaller surround channel amplifiers. A 3 dB increase in a speaker's sensitivity is equivalent to **doubling** the wattage of your power amplifier!

The KSF-S5 features Klipsch's exclusive Wide-Dispersion Surround Technology. This design approach utilizes an array of drivers to create an optimal 180° sound field through the use of two tweeter horns aligned at 90° degrees to one another. A single low frequency driver is positioned between the horns to minimize the cabinet size and to take advantage of the naturally broad dispersion pattern of low frequency sounds. The resulting wide and evenly dispersed soundfield is perfectly suited for rear channel surround applications. This unique Klipsch approach is ideal for the latest multi-channel (Dolby Digital® and DTS®) soundtracks on the DVD and laser disc formats, making Klipsch truly “Digital Ready.”

PLACEMENT OF THE KSF-S5 SURROUND SPEAKER

One of the principle advantages of Klipsch's unique Wide-Dispersion Surround Technology is greater placement flexibility. Due to the full 180° coverage pattern, you can place the KSF-S5 on the rear wall, side walls and even on 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 wall toward the corners of the room. The speaker should be approximately five to seven feet from the floor to its base.

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

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

- Install four rubber stick-on bumpers (one on each corner of the rear panel of the speaker) to provide clearance between the wall and the cabinet for speaker wire. This will also prevent the speaker from marring the wall.
- A hole marking template is included in the owners manual (refer to the back cover) to assist in obtaining proper spacing of these two holes. Be sure to allow at least 1.75" clear space above the top screw location. This is to accommodate the 1.25" cabinet dimension above this screw and the 0.5" vertical slide needed to hook the bracket onto the screw head.
- We recommend checking the vertical orientation of the marked hole locations with a torpedo level before drilling. If a template is not available, space the mounting screw locations $5\frac{3}{32}$ " apart on a vertical line.
- The use of a #10 or 12 (2.5 - 3" long) pan head wood screw is recommended for mounting into a wood stud.
- Check the fit of the screw head in the keyhole fitting 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 $\frac{1}{4}$ " from the wall surface. This will facilitate hooking the keyhole bracket over the screw head with the rubber feet installed on the back of the cabinet. Adjustment of the clearance between the wall and the screw head may be necessary to achieve a proper fit. If a stud is not available, use the appropriate type of drywall or masonry anchor that will support the weight of the loudspeaker with a generous safety margin. Please consult your dealer, custom installer or a building contractor in these situations.

For situations that require that the speaker not be mounted flat on the wall but angled, an adjustable wall bracket may be used. Under the lower keyhole bracket is a threaded insert that will accept a bracket shaft with a $\frac{3}{8}$ " x 16 thread. The bracket shaft should fit through the large part of the keyhole bracket opening. This keyhole fitting can be removed if it interferes with the bracket shaft or its jam nut. Please consult your Klipsch dealer for assistance with the selection of an appropriate bracket. Refer to the bracket manufacturers' mounting and installation instructions for specifics on attaching the bracket to a wall.

DO NOT USE THE KEYHOLE BRACKETS FOR CEILING INSTALLATIONS! Consult your dealer, custom installer, or building contractor for alternate mounting methods.

HOW TO CONNECT THE KSF-S5 SURROUND SPEAKER

To properly use surround channel speakers, your receiver, or signal processor, must have a designated surround channel output.

Switch your electronics off when making all connections!

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, including many that are designed specifically for surround speakers and may be easily hidden to offer a cleaner appearance. Connect your KSF-S5 to the "**Rear**" or "**Surround**" channel output terminals of your system's power amplifier. When connecting rear channel speakers to a 5.1 channel type system (Dolby Digital® and DTS®), it is important to connect the right and left rear speakers to the appropriate right and left rear channels as these systems have stereo surround effects.

Be sure to observe proper polarity (+ to + and - to -) and avoid having excess bare wire at the connectors that could short together causing possible amplifier damage. Please refer to the above section "**About Speaker Wire Connections**" for further details.

KLIPSCH Limited Warranty



KLIPSCH, LLC (“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, LLC 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.

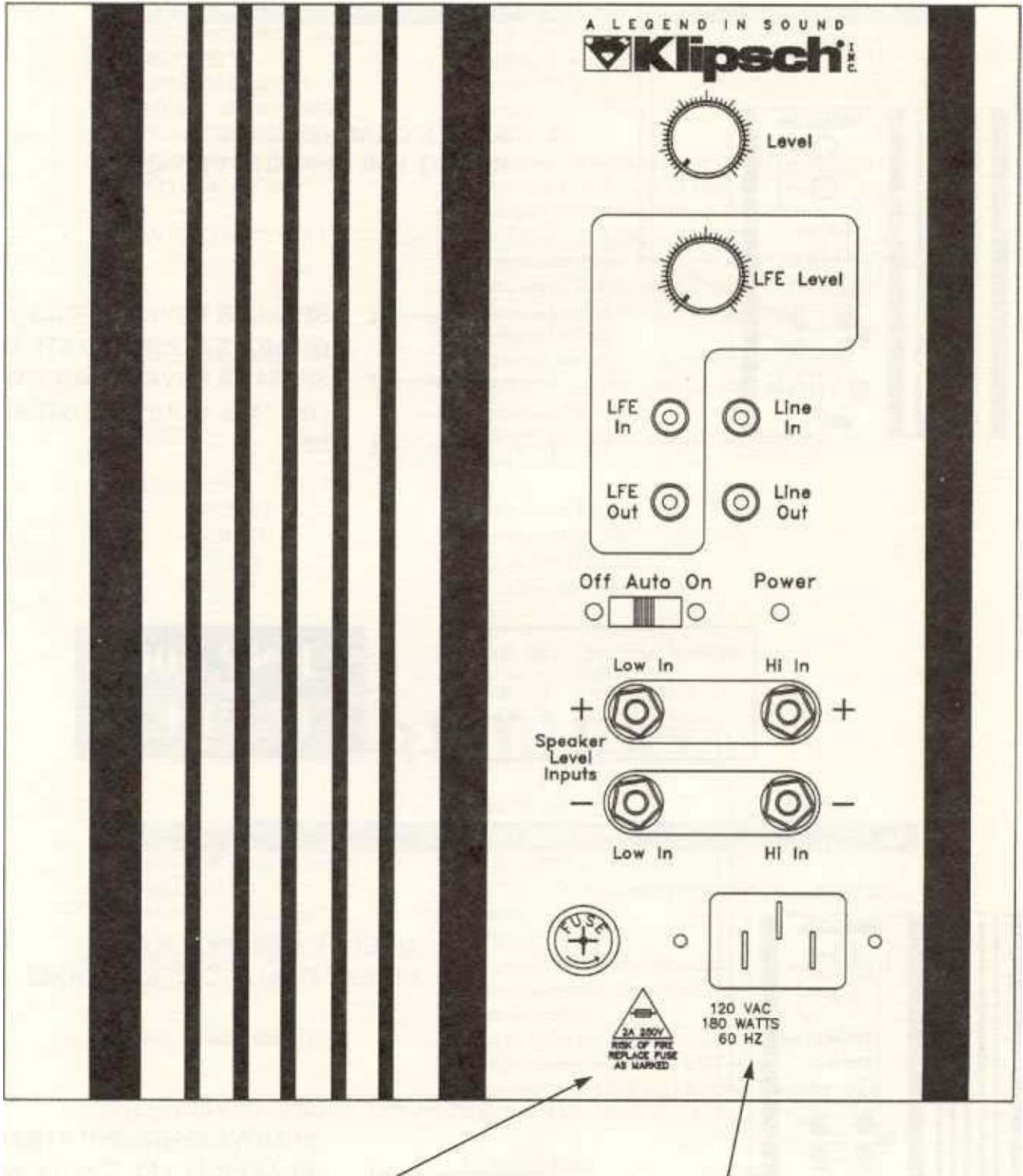
This Warranty does not cover cosmetic damage or damage due to acts of God, accident, misuse, abuse, negligence, commercial use, or modification of or to any part of the product. This Warranty does not cover damage due to improper operation, maintenance or installation, or attempted repair by anyone other 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 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 OFF 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.

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

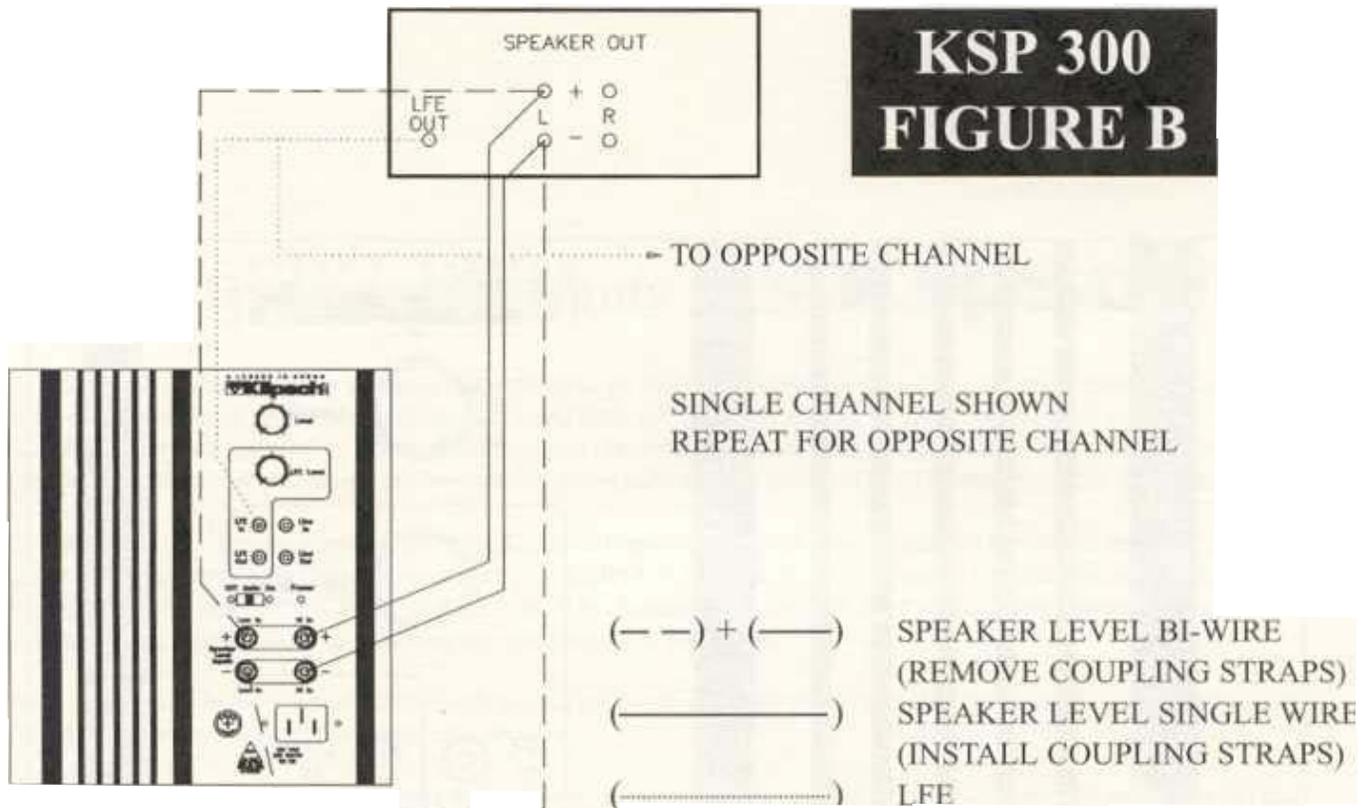
KSP 300 FIGURE A



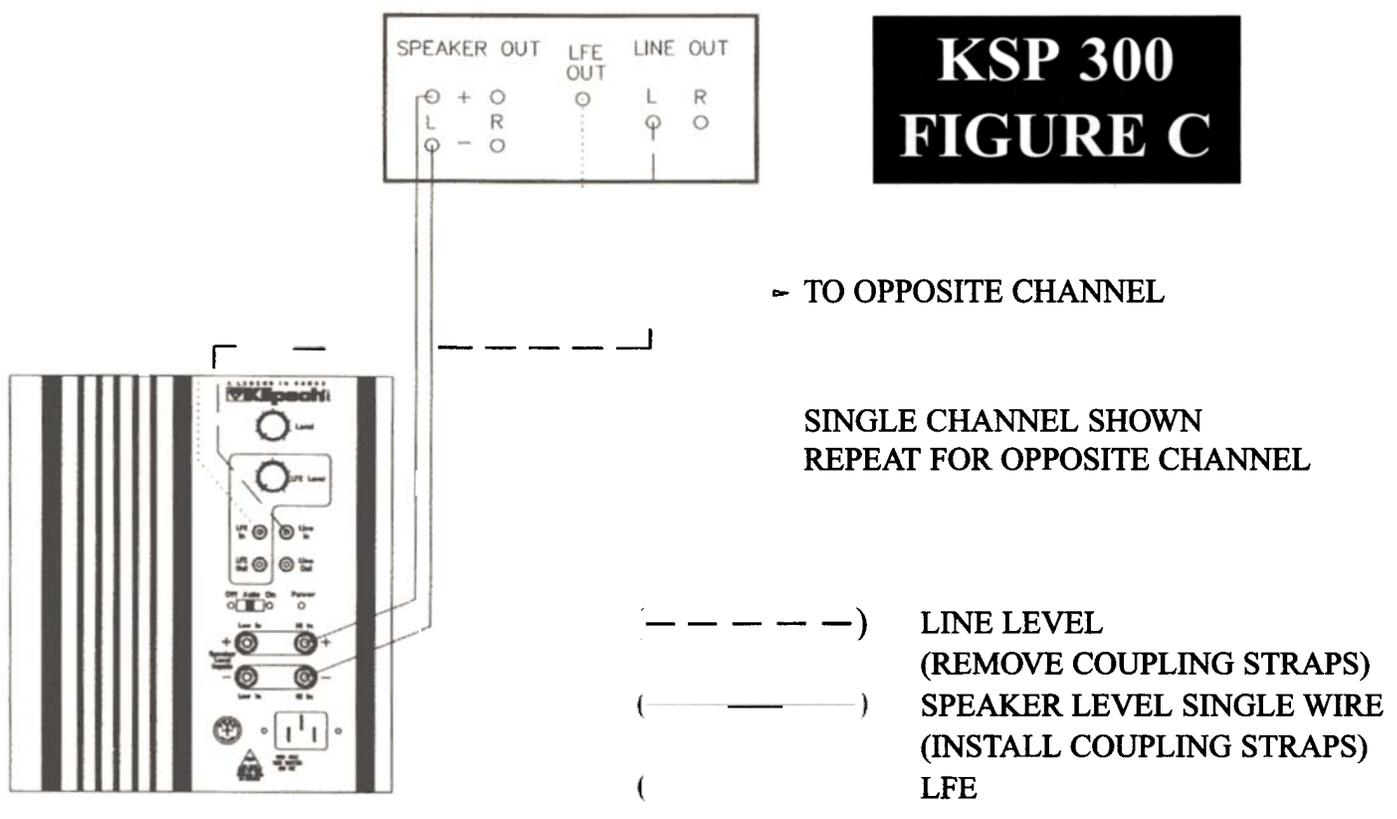
Note: 230 Volt Version
T2AL 250 V (2 Amp Fuse)

Note: 230 Volt Version
230 V~180 Watts / 50 Hz

KSP 300 FIGURE B



KSP 300 FIGURE C



SPECIFICATIONS

PREMIERE

KSP-300

FRONT MAIN

FREQUENCY RESPONSE:	32 Hz - 20 kHz +/- 3 dB
SENSITIVITY:	94 dB @ 1 watt/1 meter
MAXIMUM OUTPUT:	114 dB (SPL)
NOMINAL IMPEDANCE:	8 ohms
CROSSOVER FREQUENCY:	2.6 kHz/120
POWER HANDLING:	100 watts maximum continuous (400 watts peak)
CONFIGURATION:	Three-way system; Sealed Bass and mid bass Enclosure with a horn loaded tweeter.
DRIVER COMPONENTS:	One 1-inch (2.54 cm) K-97-KV compression driver with a 90° x 60° Tractrix™ Horn; one 6.5-inch (16.51 cm) K-1055-SV mid-bass woofer; one 12-inch K-1066-K subwoofer driver.
SUBWOOFER AMPLIFIER:	150 watts continuous; discrete, high-current output devices; 300 watts dynamic power; dedicated LFE input
FINISH:	Medium Oak, Black Satin Or Mahogany Wood Veneer finish
DIMENSIONS:	
WEIGHT:	78 lbs. (35.4 kg)
HEIGHT:	42 inches (104 cm)
WIDTH:	8.75 inches (22.23cm)
DEPTH:	18 inches (45.7 cm)

PREMIERE

KSF-S5

REAR SURROUND

FREQUENCY RESPONSE:	60 Hz - 20 kHz +/- 3 dB
SENSITIVITY:	93 dB @ 1 watt/1 meter (equivalent sound energy)
NOMINAL IMPEDANCE:	8 ohms
CROSSOVER FREQUENCY:	1800 Hz
POWER HANDLING:	100 watts maximum continuous (400 watts peak)
CONFIGURATION:	Two-way system; Sealed bass enclosure, horn loaded tweeter.
DRIVE COMPONENTS:	Two 1" (2.54 cm) K-99-SV neodymium magnet compression drivers with a 90° x 60° Tractrix™ Horn; one 6.5" (16.5 cm) K-1018-S woofer
FINISH:	Black & White Matte Vinyl
DIMENSIONS:	
WEIGHT:	12 lbs. (5.4 kg)
HEIGHT:	8 inches (20.3 cm)
WIDTH:	18.25 inches (46.4 cm)
DEPTH:	7.3 inches (18.5 cm)

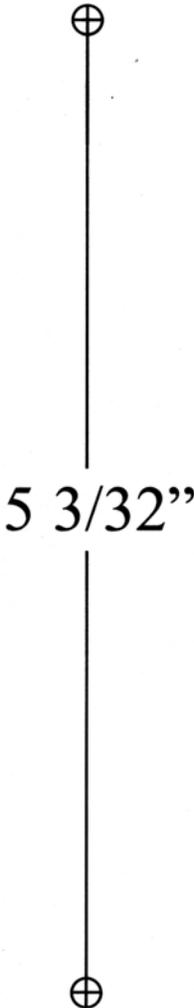
PREMIERE

KSE-C5

CENTER

FREQUENCY RESPONSE:	63 Hz - 20 kHz +/- 3 dB
SENSITIVITY:	96 dB @ 1 watt/1 meter
NOMINAL IMPEDANCE:	8 ohms
CROSSOVER FREQUENCY:	2.2 kHz
POWER HANDLING:	100 watts maximum continuous (400 watts peak)
CONFIGURATION:	Two-way system: Vented bass enclosure via dual, rear firing ports / Horn loaded tweeter
DRIVE COMPONENTS:	One 1" (2.54 cm) K-96-KV neodymium magnet compression driver with a 90° x 60° Tractrix™ Horn; two 6.5" (16.51 cm) K-1053-SV magnetically shielded woofers.
FINISH:	Black Matte vinyl
DIMENSIONS:	
WEIGHT:	23 lbs. (10.4 kg)
HEIGHT:	7.875 inches (20 cm)
WIDTH:	23.9 inches (60.7 cm)
DEPTH:	7.3 inches (18.4 cm)

UP/TOP



5 3/32"

DOWN/BOTTOM

KSP-S5 WALL MOUNT HOLE MARKING TEMPLATE

Cut along dotted line and mail.

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 _____

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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.

193095 KSP Manual

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