

Klipsch[®]
SYNERGY SERIES

User Manual
Mode d'emploi caisson de graves



Klipsch®

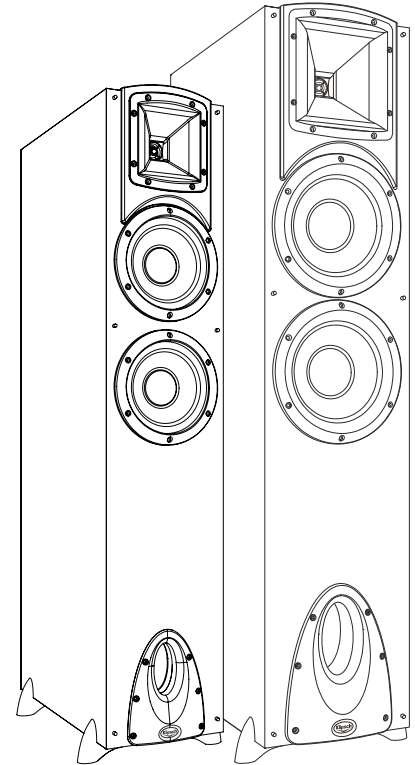
SYNERGY SERIES

— SYNERGY —

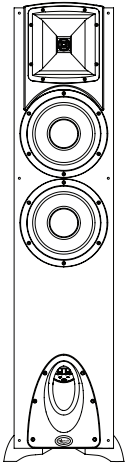
BLACK LABEL

LOUD AND PROUD SINCE 1946

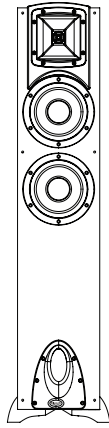
In 1946, Paul W. Klipsch revolutionized the audio industry by creating our proprietary horn technology and the acoustic principles that are the driving force behind our highly acclaimed signature sound. Today, we remain true to PWK's vision and pack the better part of a century's worth of sweat and genius into every product we make. These speakers are the result of our obsession with that aural perfection. Experience the power, detail and emotion of Klipsch Synergy Black Label. We are the Keepers of the Sound.®



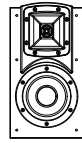
BLACK LABEL SPEAKERS



F-300



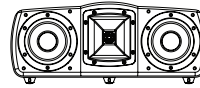
F-200



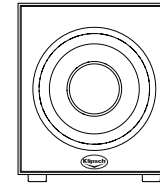
B-200



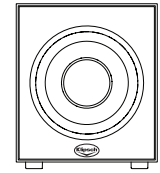
B-100



C-200



SUB 120



SUB 100

INSPECTION

We want your new speaker system to look as good as it did leaving the factory! Please check promptly for any transit damage. Carefully unpack your new speaker system and verify the components against the packing list. In extreme circumstances, items may have become

damaged in transit. If any damage is discovered, notify the delivery service and dealer where the system was purchased. Make a request for inspection, and follow their instructions for evaluation. Be sure to keep the product's original shipping carton.

IMPORTANT SAFETY INSTRUCTIONS!

READ these instructions. | KEEP these instructions. | HEED all warnings. | FOLLOW all instructions.
DO NOT use this apparatus near water. | CLEAN ONLY with dry cloth.
DO NOT block any ventilation openings. Install in accordance with the manufacturer's instructions.
DO NOT install near any heat sources such as radiators, hear registers, stoves, or other apparatus (including amplifiers) that produce heat.

ONLY USE attachments/accessories 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.



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/electrical shock, do not expose this apparatus to rain/moisture.

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



CONNECTING

CONVENTIONAL CONNECTION – Using 16-gauge or larger speaker wire, connect the RED "positive" (+) terminal of the LEFT speaker to the RED "positive" terminal of your amplifier's LEFT channel. Connect the BLACK "negative" (-) terminal of the LEFT speaker to the BLACK "negative" (-) terminal of your amplifier's LEFT channel. Repeat this procedure for connecting all remaining speakers to the appropriate amplifier channels. Refer to Figure 4. Make sure that no bare wires from any of the connections touch any other terminals as this could cause a short and damage your equipment.

Some Synergy speaker 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.

AMPLIFIER REQUIREMENTS – Klipsch speakers are highly efficient and will operate easily on a wide variety of amplifiers. All Klipsch speakers are 8-ohm compatible and can be driven to very high levels with low distortion. Due to the high output levels Klipsch speaker are capable of reproducing, exercise caution with the volume control. Excessive volume over long periods can permanently damage your hearing. Overdriving your amplifier could also damage your speakers. Check with your dealer to make sure your particular amplifier is best suited to your application. We want you listening for a lifetime.

CARE AND CLEANING – The only thing you should ever need to do to your speakers is dust them occasionally. Never apply any abrasive or solvent-based cleaner or any harsh detergent. You can clean the grilles with the brush attachment of a vacuum cleaner.

EU COMPLIANCE INFORMATION: Eligible to bear the CE mark, Conforms to European Union EMC Directive 2004/108/EC.

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 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.

ROOM PLACEMENT

ROOM PLACEMENT

Before You Start – Some Klipsch speakers have feet and other accessories that may need to be installed prior to use. Please refer to Diagrams 1, 2 and 3 for installation.

Left and Right Main Channel Speakers – For optimum performance, Klipsch suggests placing your speakers 6 to 15 feet (2 to 4.5m) apart and at least 24 inches (60.8cm) from the back and side walls. They may also be toed in slightly for better stereo imaging. The listening position should be about 1 to 1.5 times the distance separating the speakers. Refer to Figures 2 and 4 for connection and placement.

Center Channel Speakers – Center channel speakers are designed to place dialogue and primary sounds so that they appear to come from the video screen. The speakers should therefore be placed as close to the screen as possible, preferably directly on top of or below the screen. Refer to Figures 2, 3 and 4 for connection and placement.

Rear Surround Channel Speakers – Klipsch WDST™ surround speakers should be placed 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. They are designed to recreate the sense of space and ambience that many of today's surround sound technologies provided. Refer to Diagram 4 and Figures 2 and 4 for connection and placement.

Subwoofers - Klipsch powered subwoofers are designed to reproduce deep bass and deliver the impact that makes your movies and music come alive. For optimum performance, place your subwoofer in a corner of the room on the same wall as your front channel speakers. (refer to Figure 1). Please note that room placement can have a dramatic effect on the performance of your powered subwoofer. Corner placement, as suggested above, will increase the amount of bass output, while placing the subwoofer along the middle of a wall, or out in the room will decrease the amount of bass output. Experiment with a number of different placement options and control settings to find the one that best suits your particular room and taste. When choosing your subwoofer's location, keep in mind that you will need to connect the subwoofer's built-in amplifier to an AC power outlet.

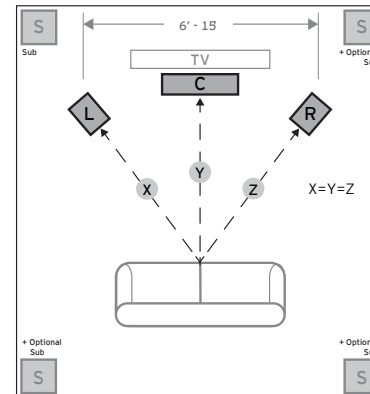
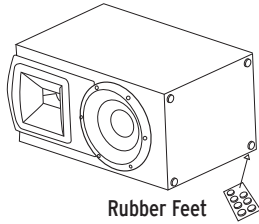


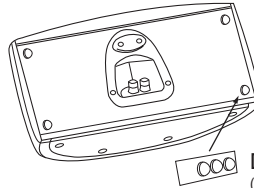
FIGURE 1
SPEAKER PLACEMENT IN LISTENING AREA

Diagram 1 Bookshelf Speakers



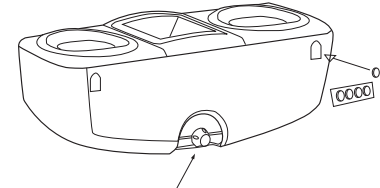
Rubber Feet

Diagram 2 Surround Speakers



Domed Rubber Feet
(place on back or bottom,
depending if wall mounted)

Diagram 3 Center Channel



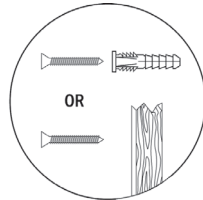
Adjustable Post

Diagram 4 Wall Mounting Surround Speakers

See Room
Placement
section of
manual



Mounting
Template



#10 or #12
2.5" - 3" panhead wood screws

Mount in wall stud or use
anchors - leave 1/4" exposed



CAUTION! Do not use
keyhole for ceiling mounting!

Figure 3 Center Channel

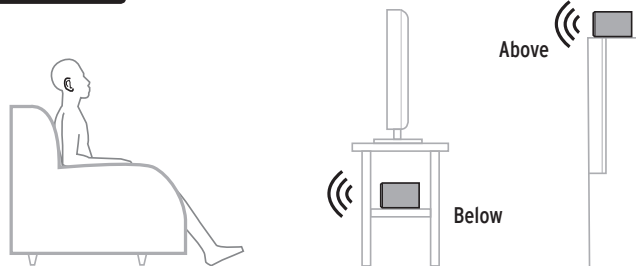


Figure 2 Speaker Placement in Listening Area

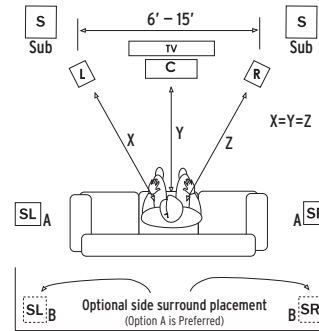
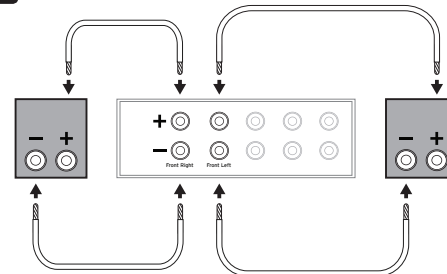


Figure 4 Standard Connections



SUBWOOFER CONNECTIONS AND CONTROLS

CAUTION: Ensure that the subwoofer is unplugged from the AC wall outlet before making any connections.

“LINE IN” Connection - Most of today’s surround receiver (and pre-amplifiers) have a line level subwoofer output labeled Subwoofer Pre Out, Sub Out, SW Out, etc. If you have this output, connect one end of a subwoofer cable to it and connect the other end of the cable into the subwoofer line input labeled LEFT/LFE. This connection allows the subwoofer to operate with both music and surround sound output on your receiver, as an alternative hookup, you can connect Left and Right channel Pre-Amp Outputs from your receiver (if provided to the Left/LFE and Right input on the subwoofer.)

“LOWPASS” Control - The crossover point chosen determines where low bass frequencies are “handed off” from the speaker to the subwoofer. If setting the crossover point in the receiver, turn the Lowpass Filter knob on the subwoofer to the farthest point right (160Hz). Set the crossover point based on the size of the main left/right speakers you are using in the system. As a general rule, for larger, floorstanding speakers, set the crossover point between 50Hz-90Hz. If using small bookshelf or “satellite” speakers for the mains, set the crossover point between 90Hz-150Hz. The smaller the speaker, the higher the setting until the bass frequencies blend well between the speakers and your subwoofer once your system is completely hooked up. If your receiver does not have a crossover point setting, set the Lowpass Filter on the subwoofer instead within the same recommended settings (see receiver manual for additional speaker setup info).

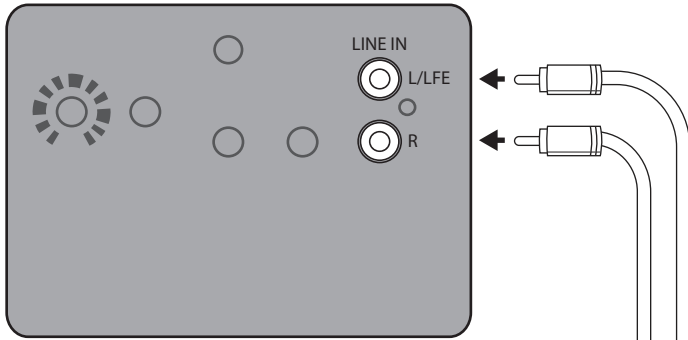
Level - If your subwoofer is connected to a Subwoofer Output of a surround receiver, first set the subwoofer volume level control in the receiver to the “half way” or “0 dB” position. Then increase the volume (or gain) of the subwoofer up until the subwoofer’s volume level matches the output of your main speakers. After this setup is completed, the volume control for both your system’s main amplifier or pre-amplifier will be the volume control for both your subwoofer and speakers together. If your subwoofer is connected to the L/R Pre-Amp Outputs of a receiver there will be no subwoofer volume in that receiver to set before setting the subwoofer’s gain control.

“PHASE” 0/180- This control is used to acoustically match the subwoofer’s output to your main speakers. Select the position either 0” or 180” in which your subwoofer has more output at the listening position.

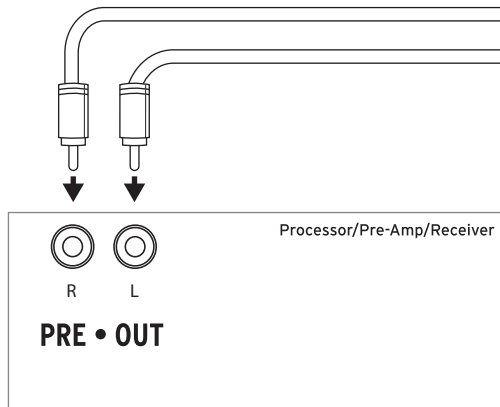
Off/Auto/On - When this switch is in the “ON/AUTO” position, the subwoofer will automatically turn “on” when it senses a signal. It will automatically go into “standby mode” after 15-20 minutes with no signal. When this switch is in the “OFF” position, the subwoofer will remain “off” until the switch is manually turned back to the “ON/AUTO” position.

Power LED Indicator - Located on the front baffle, this LED indicates the operating status of the built-in amplifier. The LED will light green when the amplifier is on and receiving a signal. If the LED is dark and not lit, the amplifier is off. For more information on the controls mentioned in this manual and on bass management, visit www.klipsch.com

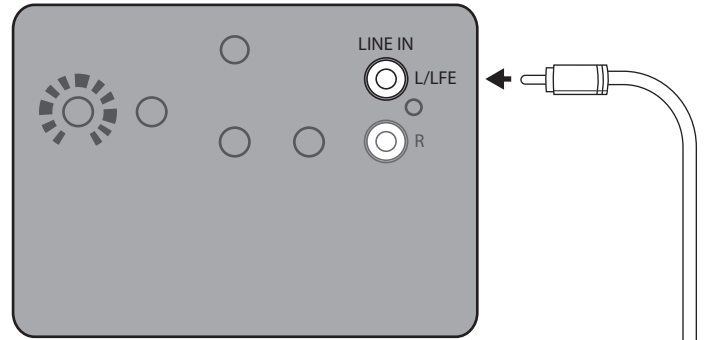
FIGURE 4
SUB-100 AND SUB-120 SUBWOOFER HOOK-UP



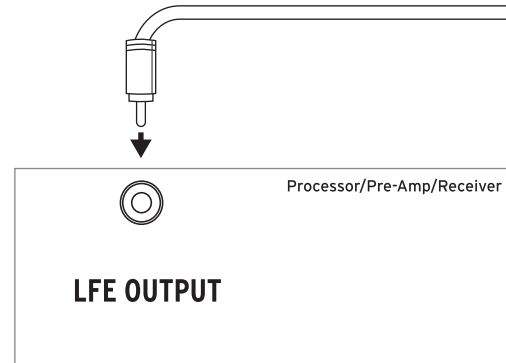
Left and Right pre-outs on Processor/
Pre-Amp/Receiver connected to Left and Right
line inputs on subwoofer amplifier



OR



LFE Output on Processor/Pre-Amp/Receiver
connected to LFE input on subwoofer amplifier





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