

SYNERGY



SUBWOOFER

OWNER'S MANUAL

THE **ULTIMATE** SOUND EXPERIENCE™



IMPORTANT SAFETY INSTRUCTIONS

1. READ these instructions.
2. KEEP these instructions.
3. HEED all warnings.
4. FOLLOW all instructions.
5. DO NOT use this apparatus near water.
6. CLEAN ONLY with dry cloth.
7. DO NOT block any ventilation openings. Install in accordance with the manufacturer's instructions.
8. DO NOT install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
9. DO NOT defeat the safety purpose of the polarized or grounding type plug. A polarized plug has two blades with one wider than the other. A grounding type plug has two blades and a third grounding prong. The wider blade or the third prong are provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
10. PROTECT the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where it exits from the apparatus.
11. ONLY USE attachments/accessories specified by the manufacturer.
12. USE only with a cart, stand, tripod, bracket, or table specified by the manufacturer, or sold with the apparatus. When a cart is used, use caution when moving the cart/apparatus combination to avoid injury from tip-over.
13. UNPLUG this apparatus during lightning storms or when unused for long periods of time.
14. REFER all servicing to qualified service personnel. Servicing is required when the apparatus has been damaged in any way, such as power-supply cord or plug is damaged, liquid has been spilled or objects have fallen into the apparatus, the apparatus has been exposed to rain or moisture, does not operate normally, or has been dropped.



This symbol indicates that there are important operating and maintenance instructions in the literature accompanying this unit.



This symbol indicates that dangerous voltage constituting a risk of electric shock is present within this unit.

WARNING: To reduce the risk of fire or electrical shock, do not expose this apparatus to rain or moisture. The product must not be exposed to dripping and splashing and no object filled with fluids – such as a vase of flowers – should be placed on the product.



WARNING: Voltages in this equipment are hazardous to life. There are no user-serviceable parts inside. Refer all servicing to qualified service personnel.

CAUTION: Changes or modifications not expressly approved by the manufacturer could void the users authority to operate this device.

POSITIONING YOUR SYNERGY SERIES SUBWOOFER

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 Figures 1 and 2). Please note that room placement can have a dramatic effect upon 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.

CONNECTIONS AND CONTROLS

Optimal Connections – Klipsch Synergy Powered subwoofers can be connected to the subwoofer output of your electronics via the RCA jack inputs ("LINE IN") on the subwoofer's rear panel (refer to Figure 3). This can be in place of the conventional speaker wire connections ("HIGH LEVEL IN"). For more information on the controls mentioned in this manual and on bass management, see your dealer or visit www.klipsch.com.

Conventional Speaker Wire Connections – Using 16-gauge or larger speaker wire, connect the RED "positive" (+) terminal of your amplifier's LEFT channel to the RED (+) terminal of your subwoofer's LEFT channel input ("HIGH LEVEL IN"). Connect the BLACK "negative" (-) terminal of your amplifier's LEFT channel to the BLACK "negative" (-) terminal of your subwoofer's LEFT channel input ("HIGH LEVEL IN"). Repeat this procedure for connecting your amplifier's RIGHT channel to your subwoofer's RIGHT channel input (refer to Figure 4). Take care to 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.

"HIGH LEVEL OUT" – This passes the "HIGH LEVEL IN" signal out to your left and right speakers with frequencies below 100Hz removed.

"LINE IN/LFE" – This input is filtered by the built-in "LOW PASS" (LP) crossover and is designed as a general purpose input for the subwoofer. It accepts the LFE signal output of your digital surround electronics.

"LOW PASS" (LP) CROSSOVER – The crossover allows the user to select the upper-frequency cutoff of the subwoofer. The frequency is selectable from 40-120Hz. Frequencies above the set level are filtered out, allowing you to blend the subwoofer's output with that of your main speakers.

"GAIN" – This control serves as an overall volume control for the subwoofer. It is used to match the output level of the subwoofer to the main speakers.

"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.

"POWER" ON/OFF – In the "ON" position, the subwoofer will remain "on" constantly or can turn "on" and "off" automatically when the "AUTO/ON" circuit is engaged (see "AUTO/ON"). In the "OFF" position, the subwoofer will remain "off" until the switch is manually turned back to the "ON" position.

AUTO/ON – When the main "POWER" ON/OFF switch is in the "OFF" position, this switch has no affect on the subwoofer. When the main "POWER ON/OFF" switch is in the "ON" position, this switch allows the auto circuit to be engaged. When this switch is in the "AUTO" position, the subwoofer will automatically turn "on" when it senses a signal. It will automatically turn "off" after 20 minutes with no signal. When this switch is in the "ON" position, the subwoofer will remain "on" as long as the "POWER" ON/OFF switch is in the "ON" position.

LED indicator – Klipsch Synergy powered subwoofers have an LED on the bottom of the front panel that indicate the status of the built-in amplifier. The LED will light red when the amplifier is in standby mode and blue when the amplifier is on and receiving a signal.

CARE AND CLEANING OF YOUR POWERED SUBWOOFER

Your subwoofer has a durable vinyl finish that should only require dry dusting or cleaning with a dry cloth. Avoid the use of abrasive or solvent-based cleaners and harsh detergents. The brush attachment of your vacuum should remove any dust from your subwoofer enclosure.

FIGURE 1

STEREO PLACEMENT

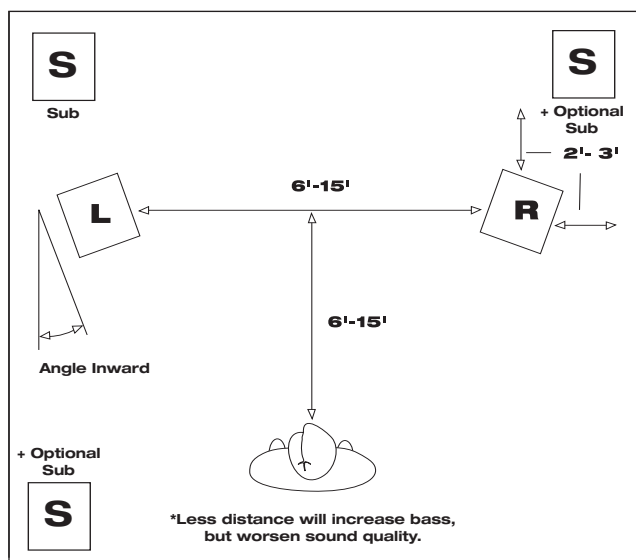
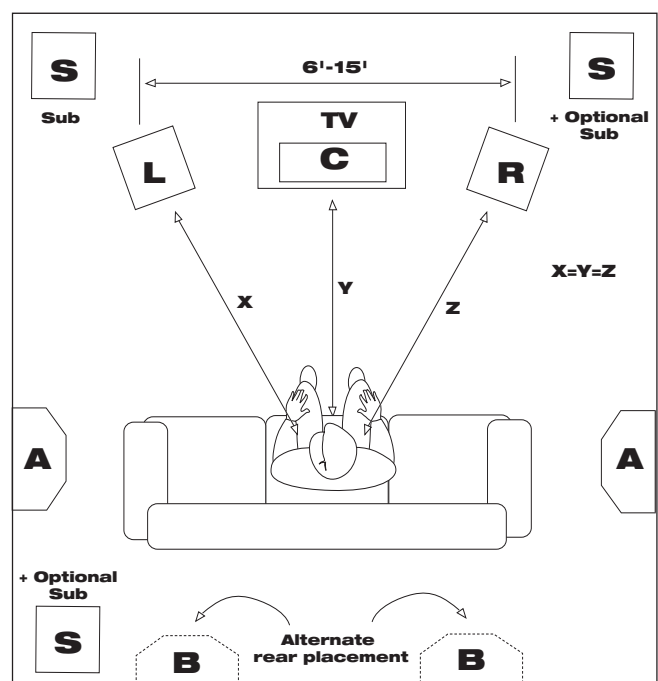


FIGURE 2

SURROUND LCR AND REARS



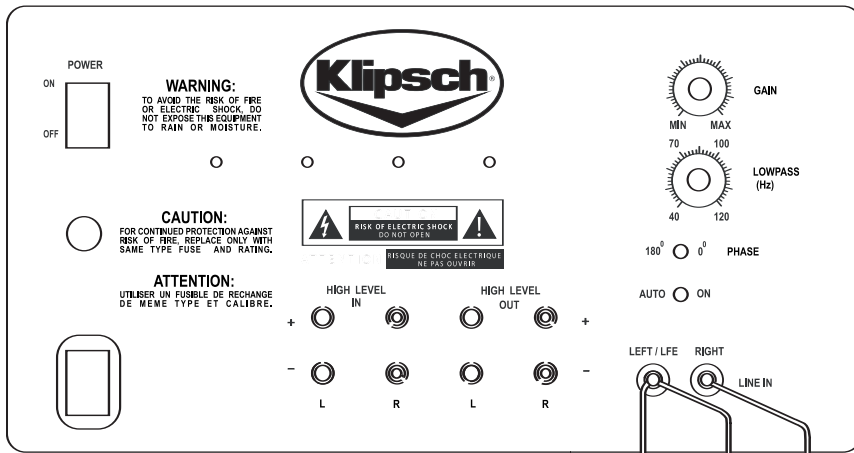
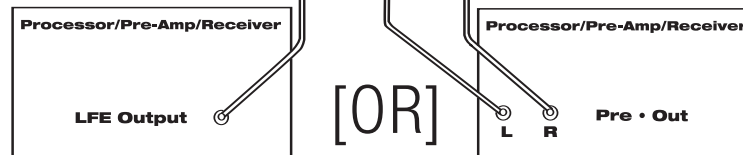


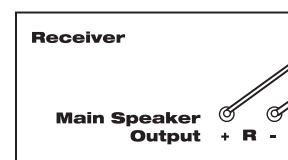
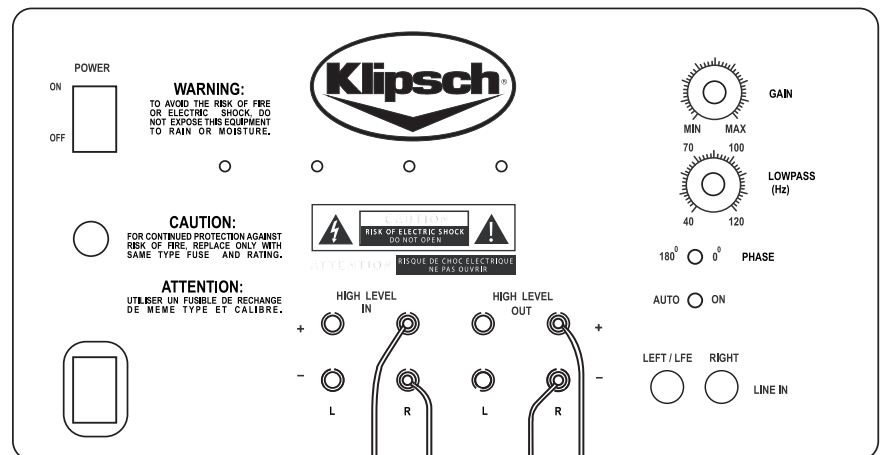
FIGURE 3
LOW LEVEL CONNECTIONS

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

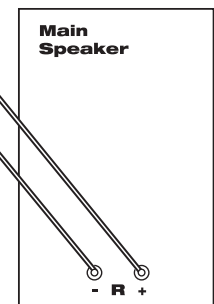


Left & Right pre-outs on
Processor/Pre-Amp/Receiver
connected to Left & Right
line inputs on subwoofer amplifier

FIGURE 4
HIGH LEVEL CONNECTIONS



Main speaker outputs on receiver
connected to high level inputs on
subwoofer amplifier (Right is shown,
repeat for Left)



High level outputs on subwoofer
amplifier connected to main
speaker inputs (Right is shown,
repeat for Left)



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