SYNCSOUND™

12" High Performance Powered Subwoofer

SS-SUB-12P
User Manual

WARNING: TO REDUCE THE RISK OF FIRE OR ELECTRIC SHOCK. DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE

AVIS: RISQUE DE CHOC ELECTRIQUE-NE PAS OUVRIR

IMPORTANT SAFETY INSTRUCTIONS

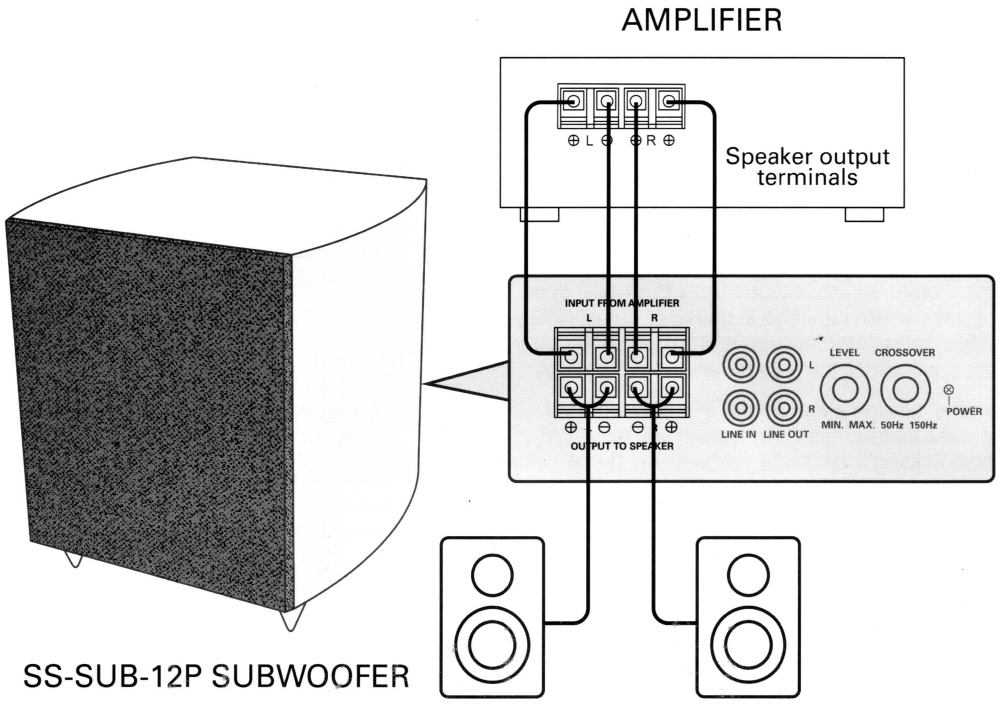
The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert you to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

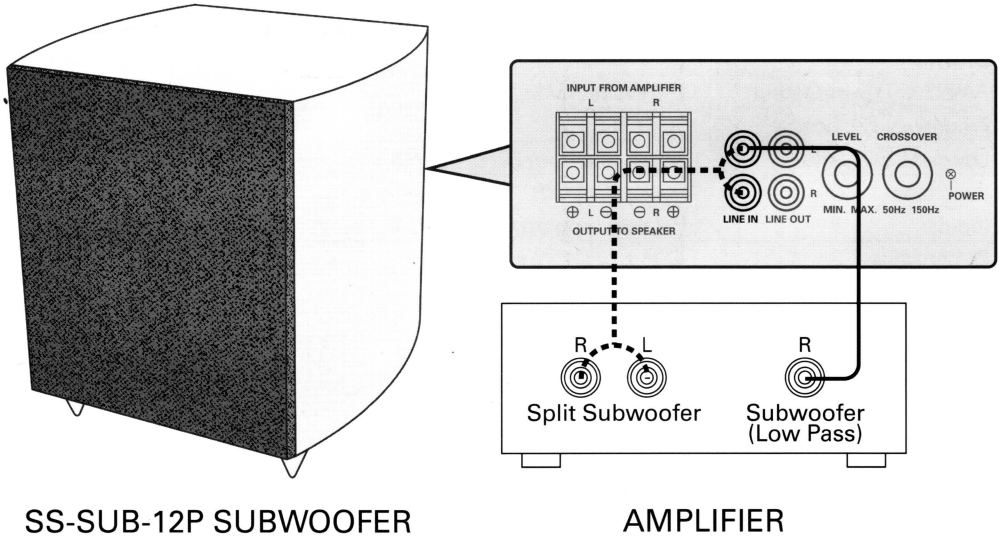
■ Wiring And Connections

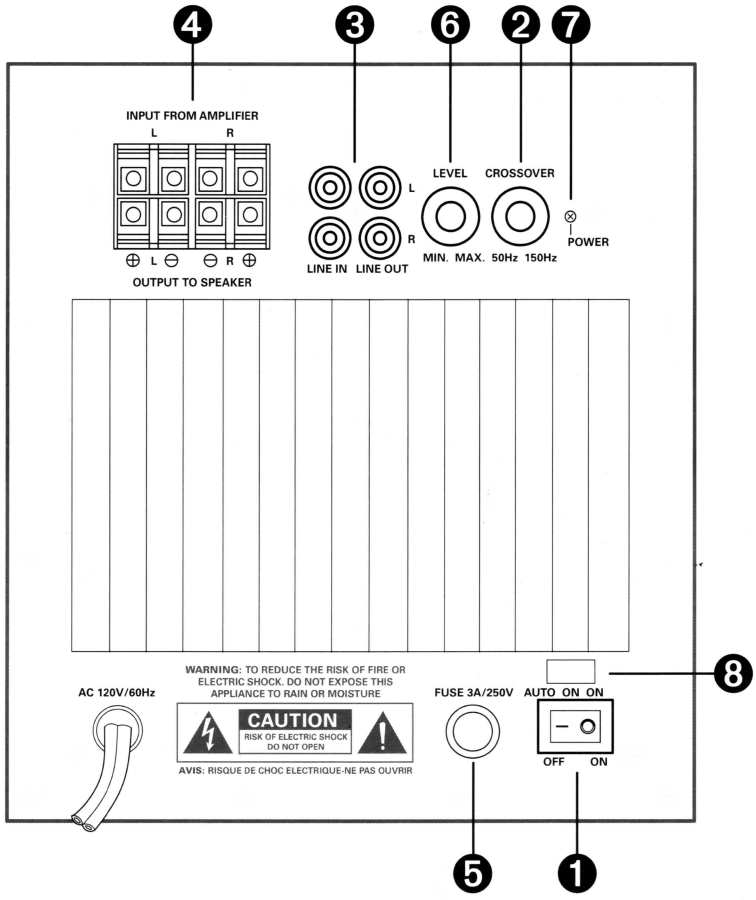
Turn off all power to your subwoofer and other equipment before making any connections.

Installation using Input from amplifier.



Installation with A/V amplifiers and receivers that have 5.1 channel line level output. Use and RCA "Y" adaptor to connect both line level inputs (Cable not included)





■ Connections and Controls

❶ **Power Switch** –This two position switch controls the power status of the subwoofer.

Off-Turns the unit off
On-Turns the unit on regardless of whether a signal is present or not.

❷ **Crossover** – This rotary control sets a roll-off frequency (crossover point). It can be set in a range of 50Hz - 150Hz to match the low frequency response of the main speakers.

❸ **Line In** – These RCA phono jacks accept a line level full range signal from the pre-amplifier output of a receiver or power amplifier. Frequencies below the crossover point will be amplified by the subwoofer.

Line Out – These jacks are in parallel with Line In jacks and can be used if the line level signal needs to be passed to another device (amplifier, 2nd subwoofer, etc.)

❹ **Input from amplifier** – These spring-loaded terminals accept a stereo, speaker-level, full range signal from a receiver or power amplifier. Frequencies below the crossover point will be amplified by the subwoofer.

Output to speaker – These terminals are in parallel with Input from amplifier terminals and can be used to connect the main L/R speakers if required.

❺ **Fuse** – For continued protection always replace the fuse with the same type as marked.

❻ **Level** – This rotary control adjusts volume of the subwoofer and is used to achieve optimal sound balance between the subwoofer and the main speakers.

❼ **Status LED** – This LED shows subwoofer status. "Red" indicates that the amplifier is plugged in and the power switch is on.

❽ **Auto ON Switch** – In order to function the power switch must be set to "ON" position (Status LED is lit). When the Auto ON switch in set to "ON," the subwoofer stays on and ready to play. When the Auto ON Switch set to "Auto ON" and no audio signal is coming in, the subwoofer will stay in Standby mode to conserve power. When audio signal is received, the subwoofer will turn on automatically and start playing. If no audio signal is received for about 2 minutes, the subwoofer will return to Standby mode.

■ Finding the right spot

Your new subwoofer will work fine regardless of where it is placed in the room. It is important, however, to find the spot where the best performance can be achieved.

Because of longer wavelength, low-frequency sounds tend to be omnidirectional, which means that stereo or multi-channel sound image is not affected by the location of the subwoofer.

Because of the way sound waves propagate, what you hear will be a combination of direct sound from the subwoofer and reflections from the walls, floor, ceiling etc., which could be in phase or out of phase. So, while subwoofer location will not affect the sound image, it will affect the volume and sound quality.

In general, placing a subwoofer in a corner tends to increase its loudness, but may throw away L/R balance. Placing it next to a wall will slightly decrease the loudness, but will smooth out balance. Placing a subwoofer in the middle of the room will give you the best balance, but will also make it even quieter.

No matter where you choose to place the subwoofer, it will be a compromise between loudness and smooth response. You should experiment with various spots by listening to familiar audio material with substantial bass content, until you find the location that gives you the best sound and fits in with your room's overall decor.

■ Set-up and Adjustment

After you connected the subwoofer to your system and found the right spot for it, listen to an audio material with substantial bass content. Sit in your normal listening position and make the following adjustments. Note that this will be much easier if you can have someone else make the adjustments for you as you listen to your sound system:

1) If you are using the line level inputs and your main speakers are receiving a full range signal, set the subwoofer crossover frequency control to its full counterclockwise position of 50 Hz.
2) Turn the level knob fully counterclockwise.
3) Set the bass knob on your main amplifier to 12 o'clock and turn loudness off; if your amplifier is equipped with digitally controlled EQ, set the bass response to flat.
4) Play familiar audio material that has substantial bass content through your main system at a moderate volume level.
5) Slowly rotate the subwoofer level knob clockwise until a good balance is achieved between the low frequency output of your subwoofer and the mid and high frequencies from your main speakers.
6) Slowly rotate the subwoofer crossover knob clockwise until you reach the best blend between the subwoofer and the main speakers. Setting the frequency too high may cause a "boominess" in the overall sound and will add an unnatural "chesty" quality to male voices.

■ Specification

Speaker Type :	12" High Performance Powered Subwoofer
Driver:	12" Reinforced
Amplifier Power Output:	150 Watts(RMS)
Frequency Response:	50Hz-250 Hz
Lowpass Crossover :	Adjustable from 50Hz -150Hz
Functions:	Power (On, Off)
Inputs:	Hi Level (Speaker), Line (RCA)
Dimensions:	17"H x 171/4"W x 171/2"D