

Home Theatre System / Hi-Fi Active Subwoofer

A subwoofer can add a new dimension to your listening pleasure. The inclusion of a sub-woofer will enhance existing sound systems and add a touch of realism to any home theatre system.

C 5201 Subwoofer Instructions

Connection details

Please refer to fig. 1 and fig 2 on the following pages.

The RCA inputs (or low level inputs) are for direct connection to the amplifier auxiliary output or, subwoofer output. Note that an auxiliary output may be a constant level output (and not affected by the amplifier volume control). If this is the only low level output on the amplifier, it may be preferable to use the speaker outputs.

The high level inputs are for direct connection to the amplifier. Note that the subwoofer speaker can be wired in parallel to the front speaker outputs without any changes to the speaker impedance.

Controls:

Crossover frequency

This control varies the cutoff point for the bass frequencies going into the subwoofer amplifier. This control can be adjusted as desired on the front panel or via the included remote control.

Phase Switch

If the subwoofer has been wired out of phase, this will exhibit itself as a "hole" in the signal. The phase switch can correct this problem. To correct the problem set the phase switch to 180°. If there is no "hole" in the signal leave the phase switch set to 0°

Volume control

This control can be adjusted from the front panel or via the included remote control.

ON / OFF switch

The unit features an auto power up and auto power down. When switched on and in standby mode the power indicator will illuminate red. When a signal is present the power indicator will turn green to indicate that the subwoofer is on. At a given input signal level (factory set) the subwoofer will switch on. When the input signal has been turned off, or the input source volume is set to a very low setting, the subwoofer will auto power off after about 10 minutes. When the input signal is restored the unit will again auto power up.



Specifications

Maximum power output	180W
RMS power output (0.1% THD)	120W
Amplifier frequency response	20-200Hz
Input sensitivity - RCA	160mV
Input impedance - RCA	30k ohm
Input sensitivity - binding post	3.2V
Input impedance - binding post	200 ohm
Speaker size.....	254mm
SPL	87dB @ 1W, 1m

WARNING

There are no user serviceable parts inside the unit. Do not open the unit. If the fuse blows, only replace with an equivalent 1.6A fast blow fuse.

This appliance is not intended for use by persons (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure they do not play with the appliance.

If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.

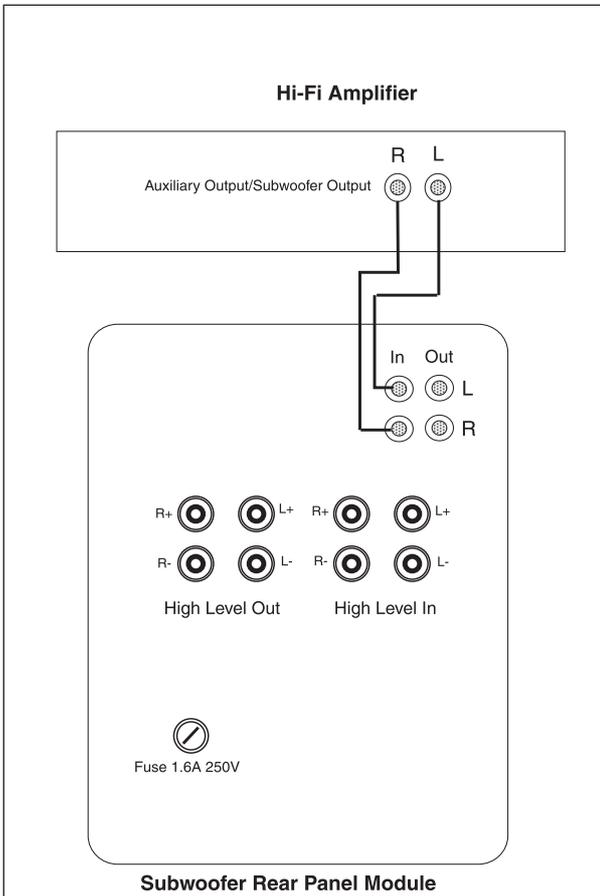


Fig1: Connection of the C 5201 via low level or RCA inputs. NOTE: The high level outputs will not produce any output in this configuration.

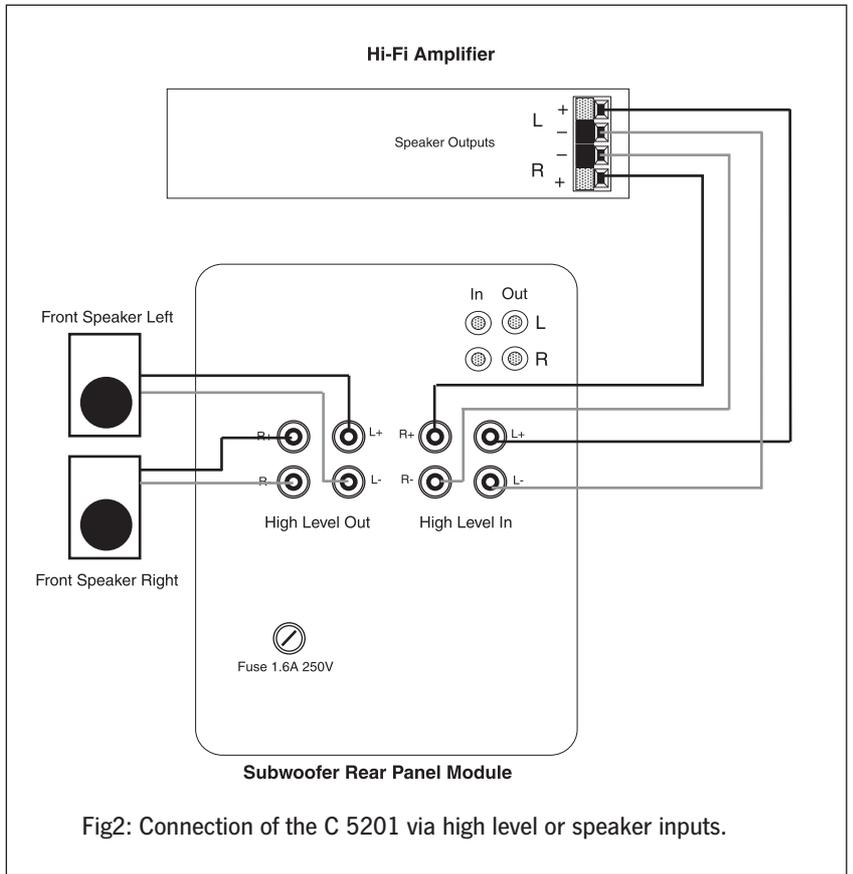


Fig2: Connection of the C 5201 via high level or speaker inputs.

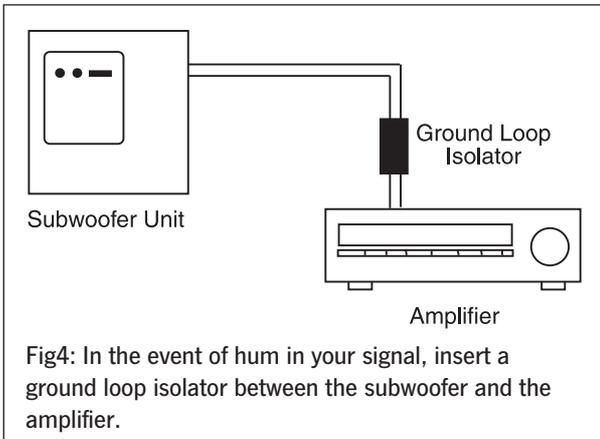


Fig4: In the event of hum in your signal, insert a ground loop isolator between the subwoofer and the amplifier.

Troubleshooting hum noise (Fig 4)

If a hum exists in your subwoofer after connection to your system we suggest that the mains power is connected to the same mains power outlet as the amplifier and input sources. If this is not possible we suggest a ground loop isolator such as an Altronics C 9555 is inserted in the signal line (ie RCA inputs) between the main amplifier and the subwoofer unit.

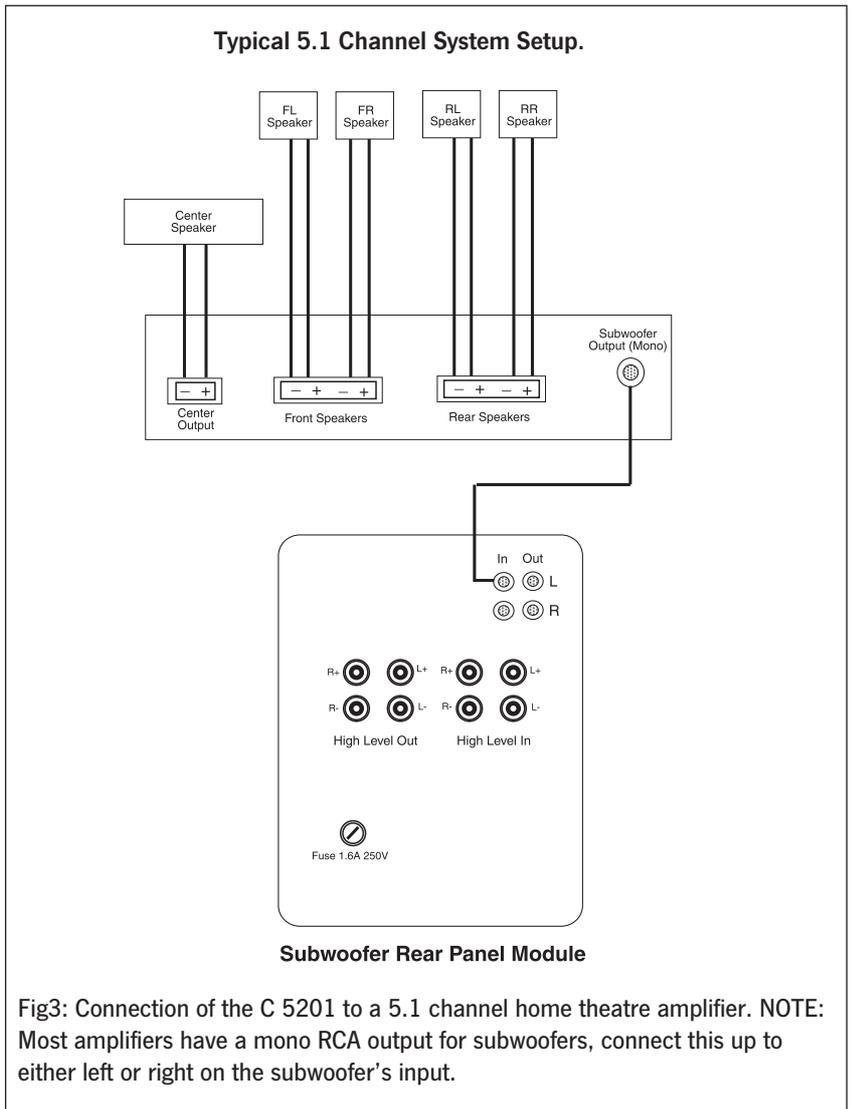


Fig3: Connection of the C 5201 to a 5.1 channel home theatre amplifier. NOTE: Most amplifiers have a mono RCA output for subwoofers, connect this up to either left or right on the subwoofer's input.