



User Manual - Compact Sub Series



Introduction

Since 1999, TruAudio has been designing and engineering some of the finest loudspeakers available. Having come from the installation industry, we understand the need to develop products that adapt to the installation environment. Obviously, with our architectural products it's a lot easier to make a speaker "disappear" but even our freestanding speakers and subwoofers look great and blend into the room's décor.

The Compact series subwoofers are the perfect combination of small size and outstanding quality audio. Over a year in development, these subwoofers offer the best in sound reproduction. The Compact series subwoofer family features three sizes of subs to better help you design your ideal system.

Model CSUB-8, CSUB-10 & CSUB-12

These subwoofers use an active polymer bonded cellulose woofer and two polypropylene passive radiators. The woofer is driven by a powerful, digital amplifier developed exclusively for this cabinet and driver array. In layman's terms, the Compact Series subwoofers are specially designed to produce tons of bass at high volumes for extended periods of time.

Unpacking and Inspection:

The Compact Series subwoofers are packaged extremely well to protect them during shipping. When you receive your subwoofer carefully open the box and remove the speaker and inspect it for any kind of damage. The subwoofer left our warehouse in perfect

condition so any damage that has occurred probably happened in transit. If for some reason your subwoofer does arrive damaged, please contact TruAudio immediately for further instruction regarding returns.

Caution; for NO reason should you open this subwoofer. This will void the warranty!

To reduce the risk of electrical shock and fire, do not remove the amplifier panel from the back of the cabinet or do not remove the subwoofer from the front of the cabinet. There are NO fuses or serviceable parts.

All service to this product MUST be done by a TruAudio Authorized repair center.

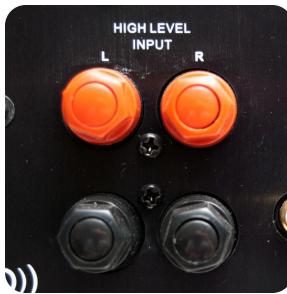
Before installing the subwoofer, please read the following instructions:

- Always turn off the power of your receiver/preamp and the powered subwoofer.
- When turning your amplifier/receiver back on, make sure your volume is turned all the way down.
- Never expose this subwoofer to excessive cold, heat, humidity or direct sunlight.
- This device should never be used in, on or near water due to risk of fatal shock.
- DO NOT attempt to open or dismantle this subwoofer.
- These models should always have plenty of Air flow to reduce the chance of over heating.

Subwoofer Placement:

These Compact Series powered subwoofers provide a crucial impact in a home theater system. Since low bass frequencies are omnidirectional, you can usually place your subwoofer just about anywhere in your home theater room with good results.

Placing your subwoofer near a wall will generally result in more bass, and placement near a corner — where three room boundaries come together — will get you even more. Keep in mind that even though the bass increases as you place the sub near a wall or corner, the quality of bass may be slightly "boomier" and less controlled. Aim for a spot where you get a compromise between quality and quantity of bass. Choose the phase control setting that produces the most bass.



Input Connections of the Subwoofers:

These subwoofers offer several different "input" connections and should be compatible with almost all A/V equipment. The "Line Level" input connection is usually the best choice when connecting the subwoofer to a system that uses a Preamp/Processor with a separate Amplifier or with a Receiver that features main channel preamp output or subwoofer outputs. The "Speaker Level" inputs are typically used when connecting the subwoofer to a receiver that offers no subwoofer outputs or preamp outputs and you are using the subwoofer in a stereo system.

"Line-in" Line Level input Connections:

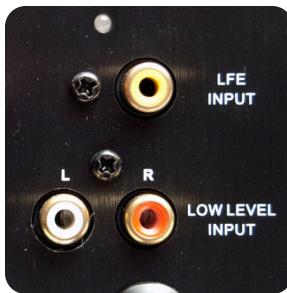
If your surround sound receiver or amplifier has only one subwoofer output, simply plug it into the left line input. If your receiver or amplifier has a built-in preamplifier, the left and right pre-outputs can be connected to the left and right line inputs.

"Speaker in" speaker cable input connections:

To connect your subwoofer using the "High Level Input", connect a quality speaker cable from the left and right speaker outputs on your A/V processor to the left and right inputs on the back of the subwoofer. Please observe proper polarity of the connections (+ to + and - to -).

"LFE in" input connection:

To use the LFE input on this subwoofer, connect the output from your A/V processor's LFE output to the LFE input on the sub. You may need to go into the menu of your A/V processor to activate this function. Using this input will bypass the internal cross-over in the CSUB's amplifier, any frequency adjustments will be done through your A/V processor.



Volume knob:

Use this control to match the output of the CSUB to that of the main speakers in the system. We recommend that you play a variety of material before selecting a setting. Start with the control in the "Min" position (completely counterclockwise) and slowly turn it up.

Frequency knob:

Use this control to adjust the upper frequency limit of the CSUB. The purpose is to control the overlap of the upper frequencies of the CSUB and the main speaker's lower frequencies. Remember this knob will not function if you are using an LFE input.



Phase switch:

This switch allows you to toggle between 0° and 180° phase modes. With the subwoofer placed in the room, listen to the system and set the phase switch to the setting that gives more audible bass.



Auto switch:

There are three positions on this switch: "off", "auto" and "on". In the "off" position the subwoofer will be off, in



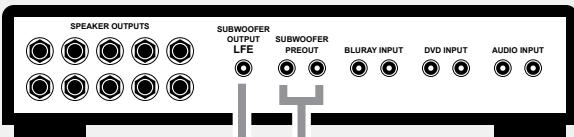
"auto" the subwoofer is put into an auto sensing mode, meaning the subwoofer will turn on when an audio signal is present and go into a sleep mode when no signal is present. The last position, on, will leave the subwoofer in an always on mode. Adjust the auto switch according to your needs.

Main power switch:

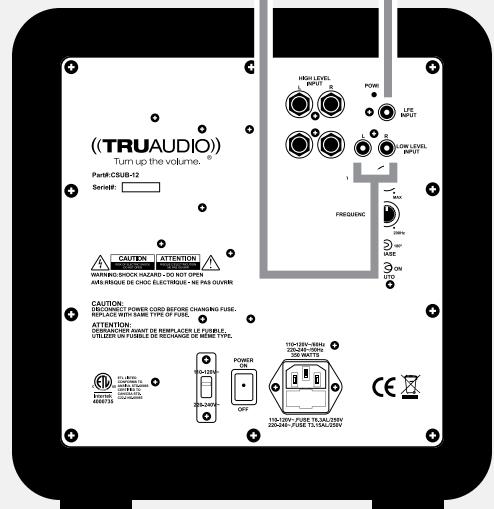
There are two positions on this switch "on" or "off", in the off position the subwoofer will not function.

Connection Diagrams

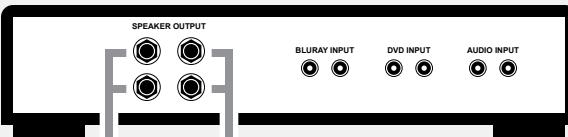
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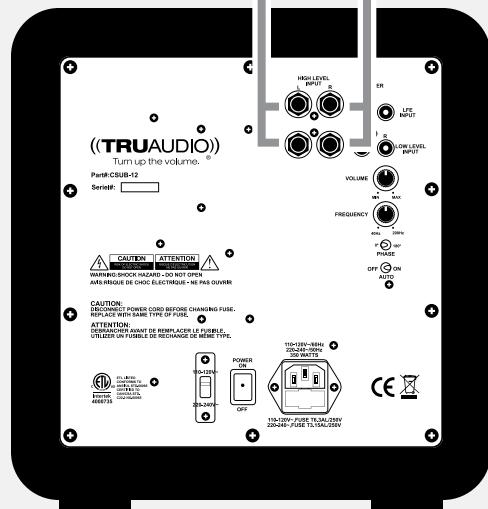
cSUB



STANDARD RECIEVER



cSUB



cSUB-8

POWERED COMPACT SUBWOOFER

Speaker Type:	Compact Powered Subwoofer
Enclosure Design:	Front-firing, with Dual Passive Radiators
Driver:	8" Cellulose Composite
Power:	150 Watt Internal Amplifier
Frequency Range, Lowpass:	28-200Hz
Frequency Range, LFE:	28-200Hz
Sensitivity:	200mV@150W
Crossover:	40-200Hz
Boost:	8dB@40Hz
Inputs:	1) RCA L / R 2) LFE 3) High Level Input
Grill Type:	Magnetically Mounted MDF Frame w/ Black Speaker Cloth
Cabinet Dimensions	
Width:	12" (305mm)
Height:	12" (305mm)
Without Feet:	11 1/2" (292mm)
Depth:	12 3/4" (324mm)
Color:	Black, Glossy

cSUB-10

POWERED COMPACT SUBWOOFER

Speaker Type:	Compact Powered Subwoofer
Enclosure Design:	Front-firing, with Dual Passive Radiators
Driver:	10" Cellulose Composite
Power:	250 Watt Internal Amplifier
Frequency Range, Lowpass:	25-200Hz
Frequency Range, LFE:	25-200Hz
Sensitivity:	200mV@250W
Crossover:	40-200Hz
Boost:	9dB@35Hz
Inputs:	1) RCA L / R 2) LFE 3) High Level Input
Grill Type:	Magnetically Mounted MDF Frame w/ Black Speaker Cloth
Cabinet Dimensions	
Width:	13 1/4" (337mm)
Height:	13 1/4" (337mm)
Without Feet:	12 3/4" (324mm)
Depth:	14" (356mm)
Color:	Black, Glossy

cSUB-12

POWERED COMPACT SUBWOOFER

Speaker Type:	Compact Powered Subwoofer
Enclosure Design:	Front-firing, with Dual Passive Radiators
Driver:	12" Cellulose Composite
Power:	350 Watt Internal Amplifier
Frequency Range, Lowpass:	20-200Hz
Frequency Range, LFE:	20-200Hz
Sensitivity:	200mV@350W
Crossover:	40-200Hz
Boost:	9dB@30Hz
Inputs:	1) RCA L / R 2) LFE 3) High Level Input
Grill Type:	Magnetically Mounted MDF Frame w/ Black Speaker Cloth
Cabinet Dimensions	
Width:	15 1/4" (387mm)
Height:	15 1/4" (387mm)
Without Feet:	14 5/8" (371mm)
Depth:	15 7/8" (403mm)
Color:	Black, Glossy

SoundVision Technologies dba TRUAUDIO
SUBWOOFER and ELECTRONIC PRODUCT WARRANTY

All subwoofers and amplifiers have a limited 5 year warranty. This warranty includes 5 year parts and repair labor on all components. The warranty extends only to the original purchaser of the product and not to any subsequent owner. TRUAUDIO's obligation under these warranties is limited to repairing or replacing any component found defective in material or workmanship under normal conditions of use with an equal and/or current product. These warranties shall not apply to products which have been abused, modified, or disassembled. Products to be repaired or returned under this warranty must be returned to the factory through an authorized TruAudio dealer with all transportation and insurance charges prepaid.



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN

WARNING:SHOCK HAZARD - DO NOT OPEN

ATTENTION
RISQUE DE DÉCHARGE ÉLECTRIQUE
NE PAS OUVRIR



AVIS:RISQUE DE CHOC ÉLECTRIQUE - NE PAS OUVRIR

