



Instruction Guide and Owner's Manual

■ Slot Subwoofers

SS-8 • SS-10 • SS-12



Description

The Slot Subwoofer series was designed and built to provide incredibly powerful low frequency reproduction that today's audio/video demands. This makes it ideal for your home theater, but also when combined with a pair of our in-wall or in-ceiling speakers, these subwoofers are the perfect component for any hi-fi system.

These models feature a high-powered amplifier, newly designed subwoofer driver material, and a new cabinet that will fit into any room's décor.

The new amplifiers use a special design; with a heavy-duty transformer to minimize unwanted heat build up, the amps can drive harder and longer. This also means very low distortion and powerful reproduction of music and theater sound. With this kind of efficiency from an amplifier, you're guaranteed to get strong and clean bass at any listening level.

The new subwoofer drivers incorporate large magnets and voice coils which allows for high volumes and deep, rolling bass. Every subwoofer driver is tested to make sure that it holds up to TruAudio's strict specifications.

The cabinet features two large, front-loaded ports located below the woofer. Ports this size allows for more air to escape the cabinet when the subwoofer is playing at high volumes, which provides deeper bass and longer life to the subwoofer and amplifier. Since the ports are located on the front of the cabinet, the subwoofer can be mounted into cabinetry without sacrificing any performance. The cabinet also features a black vinyl, lightly textured finish, and smoothly rounded corners.

INSPECT your Subwoofer!

Now is the time to inspect your subwoofer for any damage. When it left our factory, it was inspected to make sure it was in good condition. If for some reason it was damaged in transit to you, please let us know right away so we can correct it. Please contact TruAudio immediately: 1.888.858.1555

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 remove the subwoofer from the front of the cabinet.

All service to this product MUST be done by TruAudio.

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

This subwoofer is engineered, designed and built to reproduce low frequencies at and below 150Hz. Frequencies at this level are basically omni-directional. This makes it easy to find a good place for the sub; however, there are also several location options that can either give more or less bass. When placed near a wall, you will get louder, deeper bass. Placing the subwoofer in a corner will produce a high volume of bass output, while near only one wall will provide less bass. Placement away from any wall may not produce enough bass. Because even a slight change of how the unit sits will alter the bass output, we suggest trying your subwoofer in different locations. This will allow you to hear the difference of bass output and decide what is best for that particular room and the listener's preference.

Our suggestion is to place the subwoofer close to the pair of speakers it will be matched with. For example, if the subwoofer is to reproduce bass from the front two channels, then it should be located near the front two speakers. If it's to reproduce bass from the rear effect channels, then the sub should be located near the rear speakers.

Because this TruAudio series of subwoofers are ported from the front, they can be built-in to a wall, into cabinetry etc.

NOTE: Even though they are ported from the front, the amp panel is still located on the back of the subwoofer cabinet. Proper ventilation is needed for the amp to "breathe". If the subwoofer will be "built-in", make sure there is enough space in the area behind it for proper air flow. Otherwise, you could over heat and damage the sub amplifier.

One more NOTE: because of the acoustics of the sub installed into an enclosed area, we also suggest using some kind of sound dampening material in the space. This will prevent a hollow "boomy" sound coming from the area behind the subwoofer.

We all know that one location or setting will NOT work for all installations. Above are only suggestions. Each installation of these products can be different and you must figure out what works best for that specific room and system. Make sure to talk with your client and find out their preference when it comes to bass output and loudness of the subwoofer.

Input Connections of the Subwoofers:

These subwoofers offer several different "input" connections allowing them to 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 and a separate amplifier or 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.

"Line-in" Line Level Input Connections:

Connect a mono subwoofer output on your receiver/pre-amp to the input connection on the rear panel of your subwoofer. If for some reason you still need more subwoofer volume, first make sure the volume knob is turned all the way up. Then, if you still need more volume, attach a "Y" adapter cord to the subwoofer cable and then to both input jacks. This will give about another 3 to 6dB of subwoofer output.

This connection should be made using a good quality RCA interconnect. Try to keep this cable as short as possible and also try to avoid running it close to other electrical equipment that could cause unwanted noise or hum. If the cable is being installed inside the wall cavity, make sure the subwoofer cable is kept away from electrical wire.

"Speaker In" Speaker Cable Input Connections:

To connect your subwoofer parallel with your two main speakers (main R & L) you will use these connections on the back of the subwoofer amp panel. Locate the "Main Speakers" connections on the back of the receiver. Connect a good quality speaker cable from these connectors to the "Speaker In" on the back of the subwoofer (the black and red binding posts). Then also connect a good quality

speaker cable from the same connectors on the back of the receiver to the main Right and Left speakers. Or if the receiver has a "main speaker B", you can connect your main speaker to these connectors.

"LFE in" Input Connection:

This input should be connected to a low pass filtered LFE subwoofer output jack on your receiver/preamp. It is usually featured on the newer 5.1 surround sound receivers, preamps or processors. **NOTE:** Signals coming into this jack will not be affected when adjusting the "Low-Pass" level knob on the subwoofer amp panel. The "LFE in" input and "Line in" input can be used at the same time if your receiver/preamp offers output for both. The "LFE in" can also be used at the same time as the "speaker in", "line in" and "speaker in" CANNOT Be used at the same time.

Adjusting subwoofer settings in your receiver/preamp: Read the instruction manual for your receiver/preamp to understand all settings available for subwoofer, low level, and internal crossover adjustments. Go to the "Setup Menu" in the receiver or preamp. Find the section for subwoofer adjustments and make sure all the proper settings for subwoofer outputs are on and set to the correct level for that application. Different receivers and preamps will offer different types of features and settings for subwoofer output.

Digital 5.1 home theater equipment dedicates one channel to reproduce the special low-frequency information contained in digitally encoded soundtracks. Go to your receiver's menu and select subwoofer "yes". Having it set this way will relieve the amplifier of having to reproduce the difficult low bass signals that can drive the receiver into audio distortion.

When using Dolby Pro Logic systems: First locate the subwoofer output. Most units will have a single sub out connection. Go to the receiver's menu and set the center channel mode to "normal". This will divert any bass from the center channel to the subwoofer, resulting in maximum system bass output.

Subwoofer Amplifier Controls

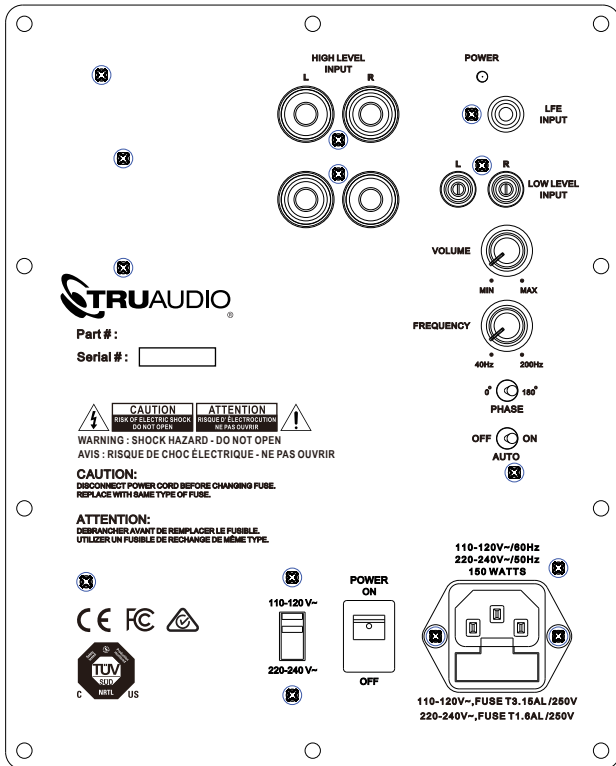
After the subwoofer is connected to the receiver/preamp and all the settings are complete, it is time to adjust the subwoofer amplifier controls.

This series of subwoofers provides a wide range of adjustments to optimize its performance in any listening area and with any combination of speaker systems. These adjustments are located on the back of the subwoofer on the amplifier panel.

Volume Knob: Adjusts the sound level of the subwoofer. This is used to give more or less volume to the overall sound of the subwoofer. Also use this adjustment to match the volume of the subwoofer to other speakers in the system. When turning this up or down, it only affects the signal of the subwoofer inputs. It will not adjust the volume of your main speakers. A good starting point is to set the knob 1/3 of the way up (10 o'clock).

Low Pass Filter: This is a variable filter that controls the upper frequencies of the subwoofer. The SS Series uses a filter that is continuously variable from 40 Hz to 180 Hz. If this is adjusted properly, it will help smooth the listening frequencies between the subwoofer and the main two speakers. **NOTE:** This must be set properly; please take the time to try different settings. Setting the filter too high will cause the bass from the main speakers to overlap the bass from the subwoofer and will cause a distorted bass sound. If the filter is set too low, there will seem to be missing frequencies between the bass from the sub and the main speakers.

Phase Switch: This is used to select the polarity for the subwoofer and should be relative to your front speakers. It allows for cancellation of bass energy caused by the particular listening room or area. To set this: while sitting in the main listening seat, listen to a recording that has low frequency percussion instruments or music with a continuous bass line. Try it first in the "0" setting and then listening to the same music in the "180" setting. Then set the switch to the setting that reproduced the most bass. Furniture, wall coverings, and subwoofer location all can affect this setting.



Important Safety Instructions

1. Follow all instructions and warnings in this manual.
2. Do not use this apparatus near water.
3. Clean only with a damp cloth.
4. Do not block any ventilation openings. Install in accordance with the manufacturer's instructions.
5. Do not install near any heat sources such as radiators, heat registers, stoves, or other apparatus (including amplifiers) that produce heat.
6. 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 wide blade or the third prong is provided for your safety. If the provided plug does not fit into your outlet, consult an electrician for replacement of the obsolete outlet.
7. Protect the power cord from being walked on or pinched, particularly at plugs, convenience receptacles, and the point where they exit from the apparatus.
8. Only use attachments/accessories specified by the manufacturer.
9. Use only with the 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.
10. Unplug this apparatus during lightning storms or when unused for long periods of time.
11. 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.
12. The apparatus shall not be exposed to dripping or splashing. No objects filled with liquids, such as vases, shall be placed on the apparatus.
13. **WARNING:** To reduce the risk of fire or electric shock, do not expose this apparatus to rain or moisture.
14. Where the mains plug or an appliance coupler is used as the disconnect device, the disconnect device shall remain readily operable.
15. **WARNING:** The Class I apparatus shall be connected to a mains socket outlet with a protective earthing connection.
16. **WARNING:** The 110-120V~/220-240V- voltage selector must be set to the correct local voltage with the proper fuse installed.



If any of these elements are changed or added to, you will need to go through this process again.

Auto Power On/Off Switch: Set the switch to "ON" and the subwoofer will automatically turn on when it senses any kind of signal from the receiver/preamp. To override this feature, set the switch to "OFF" and the subwoofer will turn on and off manually with the power switch.

Power Switch: This turns the AC power to the subwoofer either on or off.

Cleaning the Subwoofer

All SS Series subwoofers feature lightly textured, durable paint finish. When needed, we suggest cleaning with a damp cloth with water only. Do not use any kind of abrasive cleaners or detergents.



WARNING: SHOCK HAZARD - DO NOT OPEN
AVIS: RISQUE DE CHOC ÉLECTRIQUE - NE PAS OUVRIR

CAUTION:

DISCONNECT POWER CORD BEFORE CHANGING FUSE.
REPLACE WITH SAME TYPE OF FUSE.

ATTENTION:

DEBRANCHER AVANT DE REMPLACER LE FUSIBLE.
UTILISER UN FUSIBLE DE RECHANGE DE MÊME TYPE.

• Descriptions of Graphical Symbols



The "lightning bolt" with an "arrowhead" symbol within an equilateral triangle alerts you to the presence of uninsulated "dangerous voltage" within the product's enclosure and to the fact that such voltage may constitute a risk of electric shock to one or more persons.



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

APPLICABLE FOR USA CANADA OR WHERE APPROVED FOR USAGE

CAUTION: TO PREVENT ELECTRIC SHOCK MATCH WIDE BLADE PLUG TO WIDE SLOT INSERT FULLY.

ATTENTION: POUR EVITER LES CHOCS ELECTRIQUES INTRODUIRE LA LAME LA PLUS LARGE DE LA FICHE DANS LA BORNE CORRESPONDANTE DE LA PRISE ET POUSSER JUSQU'AU FOND.

■ Subwoofers Specifications



	SS-8	SS-10	SS-12
Speaker Type:	Slot Subwoofer	Slot Subwoofer	Slot Subwoofer
Enclosure Design:	Front-firing, Slot Port	Front-firing, Slot Port	Front-firing, Slot Port
Driver:	8" coated cellulose composite	10" coated cellulose composite	12" coated cellulose composite
Power:	100 watt internal amplifier	150 watt internal amplifier	250 watt internal amplifier
Frequency Range, Lowpass:	33 - 190 Hz (+/-3dB)	31 - 150 Hz (+/-3dB)	25 - 140 Hz (+/-3dB)
Frequency Range, LFE:	37 - 400 Hz (+/-3dB)	31 - 150 Hz (+/-3dB)	25 - 140 Hz (+/-3dB)
Sensitivity:	130 mV @ 100W	131 mV @ 150W	151 mV @ 250W
Crossover:	40 - 200 Hz continuously variable low pass	40 - 200 Hz continuously variable low pass	40 - 200 Hz continuously variable low pass
Inputs:	Line level RCA, speaker level, LFE	Line level RCA, speaker level, LFE	Line level RCA, speaker level
Cabinet Dimensions:	14.49" [368 mm] H (including feet) 11.97" [304 mm] W 14.05" [357 mm] D (including grill and amp)	16.02" [402 mm] H (including feet) 13.39" [340 mm] W 15.94" [405 mm] D (including grill and amp)	18.50" [470 mm] H (including feet) 14.96" [380 mm] W 17" [447 mm] D (including grill and amp)
Grill Material:	MDF frame w/ black speaker cloth	MDF frame w/ black speaker cloth	MDF frame w/ black speaker cloth
Available Colors:	Black, Matte Paint, Textured Vinyl	Black, Matte Paint, Textured Vinyl	Black, Matte Paint, Textured Vinyl

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.



It is the policy of TRUAUDIO to continuously incorporate improvements into our products. All specifications are subject to change without notice.

If you have any questions regarding this or any other TRUAUDIO products, please call 1-888-858-1555, Monday – Friday, 7:00 am – 6:00 pm MST.

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