

Ampeg

SVT-7 PRO

Bass Guitar Amplifier



Owner's Manual



TABLE OF CONTENTS

Introduction	4
The Front Panel	5
The Rear Panel	7
Favorite Settings.....	9
System Block Diagram	10
Technical Specifications.....	11
Service Information	11

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 a 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 wide 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 they exit 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.

15. Do not overload wall outlets and extension cords as this can result in a risk of fire or electric shock.

16. This apparatus shall not be exposed to dripping or splashing, and no object filled with liquids, such as vases or beer glasses, shall be placed on the apparatus.

17. This apparatus has been designed with Class-I construction and must be connected to a mains socket outlet with a protective earthing connection (the third grounding prong).

18. The MAINS plug or an appliance coupler is used as the disconnect device, so the disconnect device shall remain readily operable.

19. For the terminals marked with symbol of "⚡" may be of sufficient magnitude to constitute a risk of electric shock. The external wiring connected to the terminals requires installation by an instructed person or the used of ready-made leads or cords.

	CAUTION AVIS RISK OF ELECTRIC SHOCK. DO NOT OPEN RISQUE DE CHOC ELECTRIQUE. NE PAS OUVRIR	
<small>CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK DO NOT REMOVE COVER (OR BACK) NO USER-SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED PERSONNEL. ATTENTION: POUR EVITER LES RISQUES DE CHOC ELECTRIQUE, NE PAS ENLEVER LE COUVERCLE. AUCUN ENTRETIEN DE PIECES INTERIEURES PAR L'USAGER. CONFIER L'ENTRETIEN AU PERSONNEL QUALIFIE. AVIS: POUR EVITER LES RISQUES D'INCENDIE OU D'ELECTROCUTION, N'EXPOSEZ PAS CET ARTICLE A LA PLUIE OU A L'HUMIDITE</small>		



The lightning flash with arrowhead symbol within an equilateral triangle is intended to 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.

Le symbole éclair avec point de flèche à l'intérieur d'un triangle équilatéral est utilisé pour alerter l'utilisateur de la présence à l'intérieur du coffret de "voltage dangereux" non isolé d'ampleur suffisante pour constituer un risque d'électrocution.



The exclamation point within an equilateral triangle is intended to alert the user of the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.
Le point d'exclamation à l'intérieur d'un triangle équilatéral est employé pour alerter les utilisateurs de la présence d'instructions importantes pour le fonctionnement et l'entretien (service) dans le livret d'instruction accompagnant l'appareil.



NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and the receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

CAUTION: Changes or modifications to this device not expressly approved by LOUD Technologies Inc. could void the user's authority to operate the equipment under FCC rules.

This apparatus does not exceed the Class A/Class B (whichever is applicable) limits for radio noise emissions from digital apparatus as set out in the radio interference regulations of the Canadian Department of Communications.

CONSIGNES DE SECURITE IMPORTANTES

- LIRE, SUIVRE TOUTES LES INSTRUCTIONS ET LES PRECAUTIONS D'UTILISATION
- NE PAS UTILISER PROCHE D'UNE SOURCE DE CHALEUR ET NE PAS BLOQUER OU OBSTRUER LE SYSTEME DE VENTILATION SUR CET APPAREIL. POUR UNE UTILISATION CONFORME, CET APPAREIL NECESSITE ENVIRON 7CM D'ESPACE BIEN VENTILE AUTOUR DE SON SYSTEME DE REFROIDISSEMENT, AINSI QU'UN COURANT D'AIR FRAIS CONSTANT
- NE PAS UTILISER CET APPAREIL PROCHE D'UNE SOURCE LIQUIDE
- NETTOYER SEULEMENT A L'AIDE D'UN CHIFFON DOUX ET SEC ET NE PAS UTILISER DE PRODUITS MENAGERS
- CONNECTER UNIQUEMENT LE CABLE D'ALIMENTATION FOURNI SUR UNE PRISE AVEC MISE A LA TERRE, ET COMPATIBLE AVEC LA TENSION, L'INTENSITE ET LA FREQUENCE REQUISES INDIQUEES SUR LA FACE ARRIERE DE L'APPAREIL
- S'ASSURER DE NE PAS MARCHER, PLIER OU TIRER SUR LE CABLE D'ALIMENTATION
- DEBRANCHER L'APPAREIL LORS D'UNE TEMPETE OU LORS D'UNE TRES LONGUE PERIODE DE NON UTILISATION
- UTILISER UNIQUEMENT DES ACCESSOIRES SPECIFIES PAR LE FABRICANT POUR UNE UTILISATION EN TOUTE SECURITE ET POUR EVITER DES BLESSURES
- **ATTENTION:** AFIN DE PREVENIR TOUT RISQUE DE CHOC ELECTRIQUES OU DE DEBUT D'INCENDIE, NE PAS EXPOSER CET APPAREIL A LA PLUIE ET A L'HUMIDITE
- TOUT ENTRETIEN DOIT ETRE FAIT PAR UN TECHNICIEN QUALIFIE
- NOS AMPLIFICATEURS PEUVENT PRODUIRE DE TRES HAUTES PRESSIONS ACOUSTIQUES QUI PEUVENT CAUSER DES DOMMAGES AUDITIFS PERMANENTS OU DEFINITIFS. L'UTILISER AVEC UNE GRANDE PRECAUTION EST CONSEILLE ET DES PROTECTIONS AUDITIVES SONT RECOMMANDEES POUR UNE UTILISATION A FORT VOLUME.
- **ATTENTION:** CET APPAREIL REQUIERT UNE PRISE MURALE AVEC MISE A LA TERRE, AUX NORMES ACTUELLES ET COMPATIBLE AVEC LES SPECIFICATIONS ELECTRIQUES SE TROUVANT EN FACE ARRIERE DE L'APPAREIL. LA PRISE ELECTRIQUE DOIT ETRE NORMES ACCESSIBLE POUR DEBRANCHER L'APPAREIL EN CAS DE DEFAUT PENDANT L'UTILISATION
- CET APPAREIL DOIT ETRE DEBRANCHE SI IL N'EST PAS UTILISE

Elimination correcte du produit : Ce symbole indique que ce produit ne doit pas être éliminé avec les ordures ménagères, comme le prévoit la directive WEEE (2002/96/EC) et votre loi nationale.

Ce produit doit être remis à un site de recyclage des déchets électriques et des équipements électroniques (EEE).

Un mauvais recyclage de ce type de déchet peut avoir de possibles impacts négatifs sur l'environnement et la santé humaine dus aux émanations de substances.

Dans un même temps, votre coopération à un recyclage correct de ce produit contribuera à la bonne utilisation des ressources naturelles.

Pour connaître l'endroit où il est possible de recycler ces équipements, merci de contacter votre mairie, les services de recyclages ou le service des déchets ménagers.



Correct disposal of this product: This symbol indicates that this product should not be disposed of with your household waste, according to the WEEE directive (2002/96/EC) and your national law. This product should be handed over to an authorized collection site for recycling waste electrical and electronic equipment (EEE). Improper handling of this type of waste could have a possible negative impact on the environment and human health due to potentially hazardous substances that are generally associated with EEE. At the same time, your cooperation in the correct disposal of this product will contribute to the effective usage of natural resources. For more information about where you can drop off your waste equipment for recycling, please contact your local city office, waste authority, or your household waste disposal service.

ATTENTION — Le présent appareil numérique n'émet pas de bruits radioélectriques dépassant les limites applicables aux appareils numériques de class A/de class B (selon le cas) prescrites dans le règlement sur le brouillage radioélectrique édicté par les ministere des communications du Canada.

Exposure to extremely high noise levels may cause permanent hearing loss. Individuals vary considerably in susceptibility to noise-induced hearing loss, but nearly everyone will lose some hearing if exposed to sufficiently intense noise for a period of time. The U.S. Government's Occupational Safety and Health Administration (OSHA) has specified the permissible noise level exposures shown in the following chart.

According to OSHA, any exposure in excess of these permissible limits could result in some hearing loss. To ensure against potentially dangerous exposure to high sound pressure levels, it is recommended that all persons exposed to equipment capable of producing high sound pressure levels use hearing protectors while the equipment is in operation. Ear plugs or protectors in the ear canals or over the ears must be worn when operating the equipment in order to prevent permanent hearing loss if exposure is in excess of the limits set forth here:

Duration, per day in hours	Sound Level dBA, Slow Response	Typical Example
8	90	Duo in small club
6	92	
4	95	Subway Train
3	97	
2	100	Very loud classical music
1.5	102	
1	105	The bass screaming at his minions about manual deadlines
0.5	110	
0.25 or less	115	Loudest parts of a rock concert



Introduction

Congratulations! You are now the proud owner of an Ampeg SVT-7 PRO bass guitar amplifier. This no-compromise amplifier packs 1000 watts of fury, a switching power supply and the classic good looks and features of our renowned SVT PRO Series amplifier head.

The SVT-7 PRO amplifier is an ideal companion to the SVT-410HLF, SVT-610HLF, or SVT-810E cabinet, available separately.

The switching power supply keeps the weight low, without sacrificing power output or our legendary sound quality.

Like all Ampeg products, your SVT-7 PRO amplifier is designed by musicians and built using only the best of components. Each amplifier is tested to confirm that it meets our specifications, and we believe that this amplifier is the absolute best that it can be.

In order to get the most out of your new amplifier, please read this manual before you begin playing.

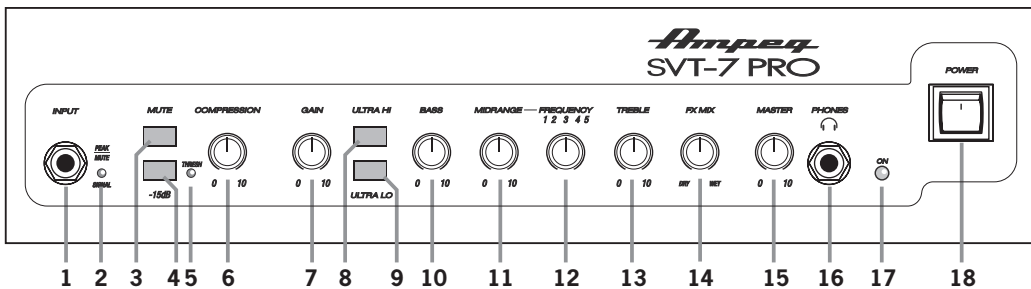
And **thank you** for choosing Ampeg.

Here are some of the features packed into your new Amplifier:

- Single 12AX7A vacuum tube preamp
- Mute switch
- Selectable -15 dB input pad
- Dual-function mute and peak LED
- On-board optical compressor
- Gain control
- Ultra Lo and Ultra Hi switches
- Bass, Mid, and Treble controls
- 5-way Midrange Frequency control
- FX Mix control
- Master volume control
- Headphone output
- Effects loop with separate send and return jacks
- Tuner output
- XLR Tube Direct output
- Preamp Out and Power Amp In jacks
- Footswitch jack
- Stereo RCA auxiliary input
- Two Speakon-1/4" combo speaker output jacks
- Lightweight and fan-cooled switching power supply
- Class-D power amplifier rated at 1000 watts rms into 4 ohms



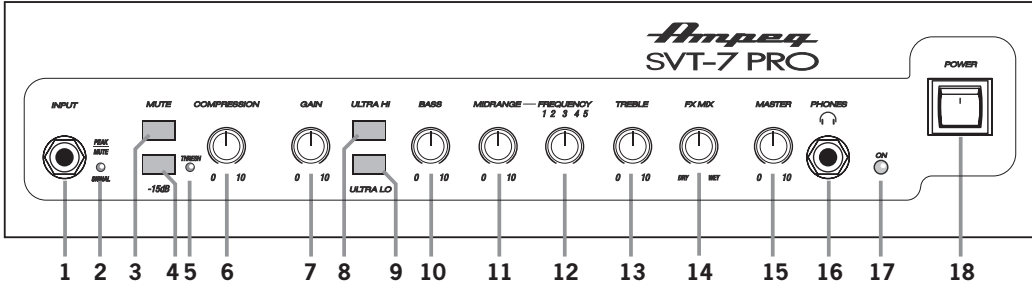
The Front Panel



- 1. INPUT:** The signal output from an instrument (active or passive) may be connected to this 1/4" input by means of a shielded instrument cable.
- 2. PEAK/MUTE LED:** This red warning LED will come on if: the mute switch is engaged, or if the input signal is too high, the gain control is set too high, or there is too much boost from the bass, midrange and treble controls. If it comes on regularly, even when these controls are low, try engaging the -15 dB pad.
- 3. MUTE:** Press this switch in to mute the signal. The peak/mute LED will illuminate when this switch is engaged.
- 4. -15 dB:** Press this switch in to reduce the input signal by 15 dB and compensate for higher output sources. This attenuation is suited for use with basses that have active electronics or high-output pickups. Use this pad if you notice that the peak/mute LED comes on regularly. It will reduce the chance of overdriving the preamplifier stage, and allow more usable range and fine adjustment of the gain control.
- 5. THRESH LED:** This lights when the signal level is above the compressor threshold and gain reduction is active.
- 6. COMPRESSION:** This controls the amount of signal compression. At the fully counterclockwise position there is no compression; at the fully clockwise position the compression ratio is 10:1. The sonic effect of compression is reduced dynamics, increased sustain and a more consistent output level regardless of how light or hard the strings are played. The compressor is very transparent - that is, there is very little effect on the tone of your instrument.
- 7. GAIN:** This varies the amount of signal driving the preamplifier. If a small clockwise rotation from minimum leads to overloading and the peak LED illuminating, try engaging the -15 dB pad. This will give more usable range with the gain control.
- 8. ULTRA HI:** This switch, when engaged, enhances the amount of high frequency output by 9 dB at 8 kHz.
- 9. ULTRA LO:** This switch, when engaged, enhances the amount of low-end output by 2 dB at 40 Hz and -10 dB cut at 500 Hz.
- 10. BASS:** Use this to adjust the low frequency level of the amplifier. This provides up to 12 dB of boost, or 12 dB of cut at 40 Hz. The low frequency output is flat at the center position.



The Front Panel continued



11. MIDRANGE: Use this to adjust the midrange frequency level of the amplifier. This provides up to 10 dB of boost, or 20 dB of cut at 800 Hz. The midrange frequency output is flat at the center position. Rotate the control counter clockwise for a “contoured” sound (more distant, less midrange output) or clockwise for a sound which really cuts through.

12. FREQUENCY: This control allows you to select the center frequency for the midrange control, giving you a choice of five “voices” for the midrange. The numbers correspond to the following center frequencies: 1=220 Hz, 2=450 Hz, 3=800 Hz, 4=1.6 kHz, 5=3 kHz.


13. TREBLE: Use this to adjust the high frequency level of the amplifier. This provides up to 15 dB of boost, or 20 dB of cut at 4 kHz. The high frequency output is flat at the center position.

14. FX MIX: This control varies the mix between the direct (dry) signal and the effects (wet) when the effects loop is used. Full counterclockwise results in all direct signal (no effect) and full clockwise adds all effect with no direct signal. The fully clockwise position is equivalent to a series effects loop and should be used with such devices as limiters and equalizers.

15. MASTER: Use this to control the overall output level. It affects the speaker outputs and headphones output. Use it wisely, and turn it down when making connections, putting on headphones, or trying something new.

16. PHONES: Use this 1/4” TRS stereo output to connect your headphones. The output here is the line-level signal reaching the amplifier.

The signal to the power amp is killed when headphones are connected. You do not need to disconnect the speaker cables from the speaker cabinet (but you could, if so desired).

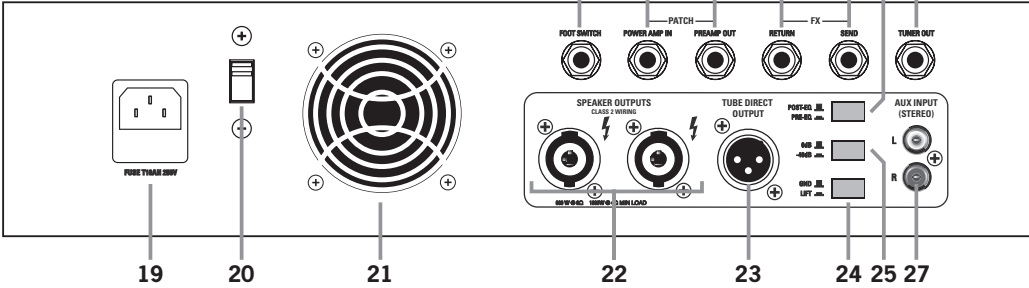
 Before putting on headphones, make sure the master control is turned down. This will reduce the chance of hearing damage due to loud volumes.

17. POWER LED: This LED illuminates when the power is on.


18. POWER SWITCH: Use this switch to turn the overall system power on or off. Press the top of the switch to turn on the power. Press the bottom of this switch to put the amp into standby mode. It will not function, but the circuits are still live. To remove AC power, either turn off the AC mains supply, or unplug the power cord from the speaker and the AC mains supply.




The Rear Panel



19. IEC POWER INPUT CONNECTOR: This is where you connect the supplied AC power cord.

 Before plugging in the power cord, make sure that the voltage selector switch is set to the same voltage as your local AC mains.

20. VOLTAGE SELECTOR SWITCH:

 Make sure the switch is in the correct position for your local AC mains voltage before you plug in the AC power cord. Use a small flat screwdriver to slide the switch if required.


21. VENTILATION: Make sure that the ventilation openings are not obscured in any way. This will allow the flow of cooling air to the power amplifier's heatsinks.

22. SPEAKER OUTPUTS: These Neutrik / 1/4" TS output jacks supply speaker-level power to the speaker cabinet. The rated power output is 600 watts rms into 8 ohms or 1000 watts rms into 4 ohms.

The two identical outputs are wired in parallel, and you can use either one, or use both. Make sure the total speaker impedance load is 4 ohms or greater.

For example, you could connect:

- Two 16 ohm speakers (an 8 ohm load),
- Two 8 ohm speakers (a 4 ohm load)
- or one 4 ohm speaker.

 Use speaker cables with Neutrik or 1/4" TS ends to make the connections. Do not use instrument cables as they may overheat.

23. TUBE DIRECT OUTPUT: Typically, you would connect this balanced output to the balanced input of an external mixer, or a recorder. In this way, you do not have to mic the speaker cabinet in order to add it to the main mix, or to record. The output is not affected by the master control.

This output can connect to external power amplifiers, or powered loudspeakers, as long as they have their own input controls to adjust the volume level.

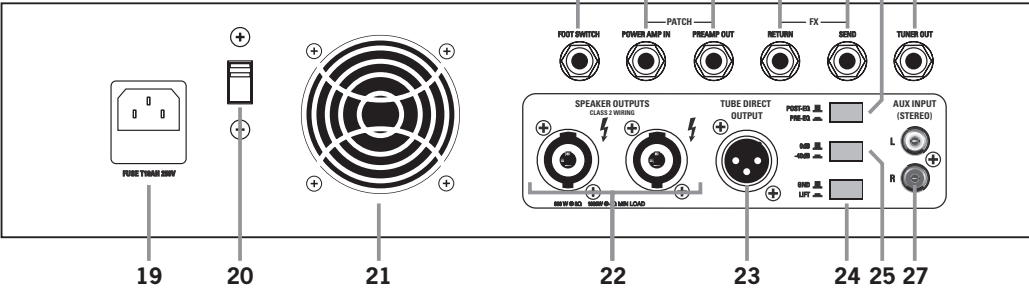
Balanced connections allow long cable runs to be used, as hum and noise pickup in the line is minimized.

24. GROUND / LIFT: Press this switch in to engage the Ground Lift, if necessary, to help eliminate hum at the XLR jack.

25. 0dB (line level) / -40dB (mic level): Press this switch in to apply a 40 dB cut to the signal at the Tube Direct Output.



The Rear Panel continued



26. POST-EQ/PRE-EQ: The signal at the tube direct out can be set to either Pre-EQ or Post-EQ with this switch. With the switch in the IN position, the signal at the tube direct out is Pre-EQ. This is a direct output not affected by any EQ or boost settings. With the switch in the OUT position, the signal is Post-EQ and is controlled and modified by the tone controls, semi-parametric EQ, and the effects loop.

27. AUX INPUT (STEREO): This dual RCA jack allows you to connect external sources such as a CD player or mp3 player. This signal comes after the FX Return but before the Master Volume.

28. TUNER OUT: This jack supplies the only live output when the mute switch is engaged. This allows for silent tuning through an electronic tuner or killing the house send with a monitor mixer send still active.

29. FX SEND JACK: Use this 1/4" TS unbalanced output to send a line-level output to an external effects processor (for example). The output here is affected by all controls except the volume.

Use the FX return jack to feed the returned processed signals back into the power amplifier.

30. FX RETURN JACK: Use this 1/4" TS unbalanced input to return the processed line-level output of an external effects processor (for example). The processor could be fed by signals from the FX send.

31. PREAMP OUT: This jack is a direct post master preamp output for use with an external power amp. Connect the external amp's input to this jack using a shielded instrument cable.

32. POWER AMP IN: This jack connects directly to the internal power amp for use with an external preamp. When using an external source, connect the OUTPUT of the source to this jack using a shielded instrument cable to feed the signal into the power amp section. The internal signal is disconnected when a plug is inserted into this jack.

33. FOOTSWITCH: Connect a dual footswitch to this jack for remote Mute and FX On/Off control. On the stereo 1/4" plug, the tip controls Mute and the ring controls FX On/Off. The Mute function is available from either the front panel or the footswitch.

NOTE: A footswitch may be purchased at your local Ampeg Dealer or ordered directly from LOUD Technologies Inc. Be sure to ask for model #AFP2.



Favorite Settings

Ampeg
SVT-7 PRO

MUTE	COMPRESSION	GAIN	ULTRA HI	BASS	MIDRANGE	FREQUENCY 1 2 3 4 5	TREBLE	FX MIX	MASTER
-15dB	0 10	0 10	ULTRA LO	0 10	0 10		0 10	DRY WET	0 10

Ampeg
SVT-7 PRO

MUTE	COMPRESSION	GAIN	ULTRA HI	BASS	MIDRANGE	FREQUENCY 1 2 3 4 5	TREBLE	FX MIX	MASTER
-15dB	0 10	0 10	ULTRA LO	0 10	0 10		0 10	DRY WET	0 10

Ampeg
SVT-7 PRO

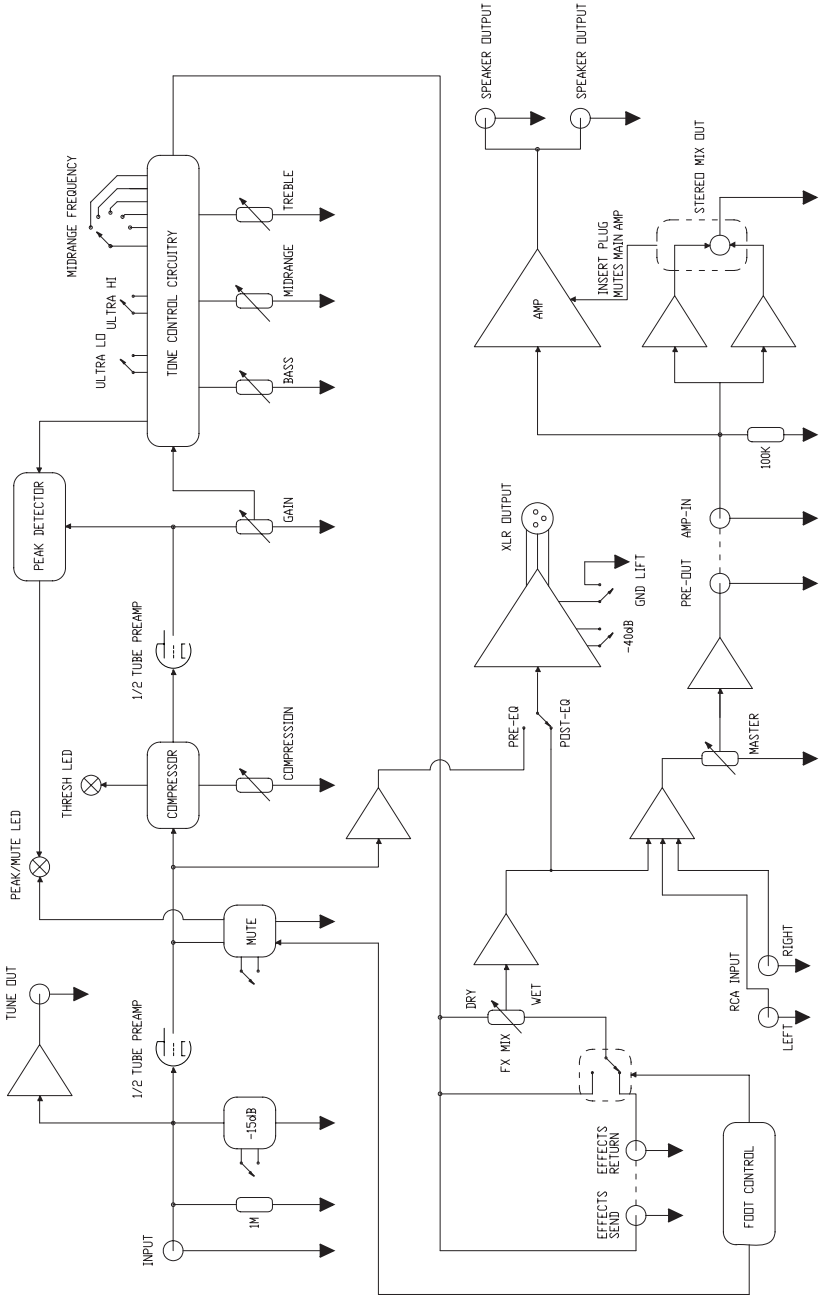
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Ampeg
SVT-7 PRO

MUTE	COMPRESSION	GAIN	ULTRA HI	BASS	MIDRANGE	FREQUENCY 1 2 3 4 5	TREBLE	FX MIX	MASTER
-15dB	0 10	0 10	ULTRA LO	0 10	0 10		0 10	DRY WET	0 10



Block Diagram





SVT-7 PRO TECHNICAL SPECIFICATIONS

Output Power Rating	600 watts rms @ 8 ohms, 5% THD 1000 watts rms @ 4 ohms, 5% THD
Signal to Noise Ratio	72 dB (20 Hz–20 kHz, unweighted)
Maximum Gain	72 dB, tone controls centered
Tone Controls	Bass: +12/–12 dB @ 40 Hz Midrange: +10/–20 dB @ 220 Hz, 450 Hz, 800 Hz, 1.6 kHz or 3 kHz Treble: +15/–20 dB @ 4 kHz
Power Requirements	~100–120 VAC, 50–60 Hz, 1050 W ~200–240 VAC, 50–60 Hz, 1050 W
Size (H x W x D)	4.0 in/102 mm (with feet) x 15.6 in/396 mm x 11.5 in/292 mm (with feet)
Weight	15.5 lb/7.03 kg (approximately)

The SVT-7 PRO is covered with sheet metal and aluminum, not unlike robots, spaceships and other cool things. Clean with a dry lint-free cloth. Never spray cleaning agents on the SVT-7 PRO. Avoid abrasive cleansers which would damage the finish.

Ampeg continually develops new products and improves upon existing ones. For this reason, the specifications and information in this manual are subject to change without notice.

“Ampeg” is a registered trademark of LOUD Technologies Inc. All other brand names mentioned are trademarks or registered trademarks of their respective holders and are hereby acknowledged.

Service Information

If you are having a problem with your SVT-7 PRO, you can go to our website (www.ameg.com) and click on Support for service information, or call Technical Support at 1-800-898-3211 Monday-Friday during normal business hours, PST, to receive assistance. If you are outside of the U.S., contact your local distributor for technical support and service.

www.ameg.com

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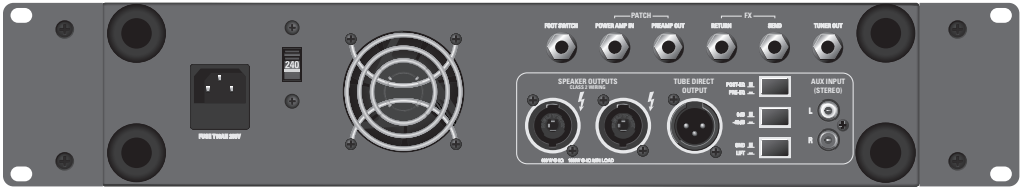
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Ampeg

2VT-7PRO

Bass Guitar Amplifier



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